

1

Figure 1

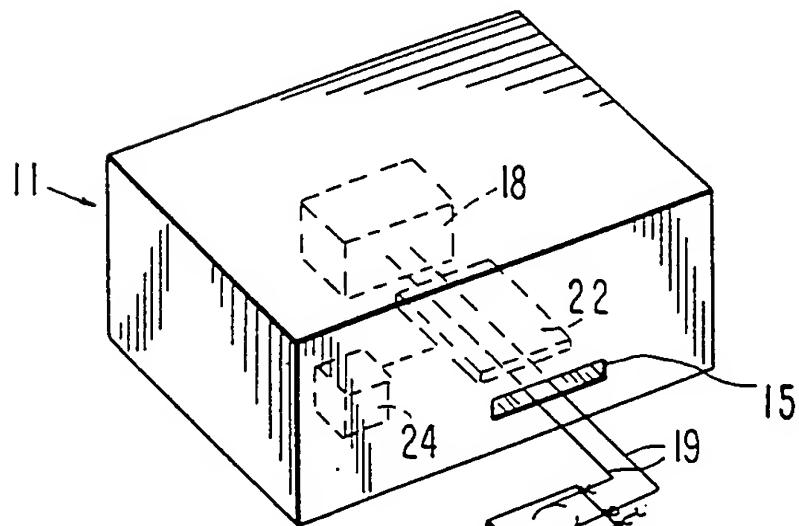
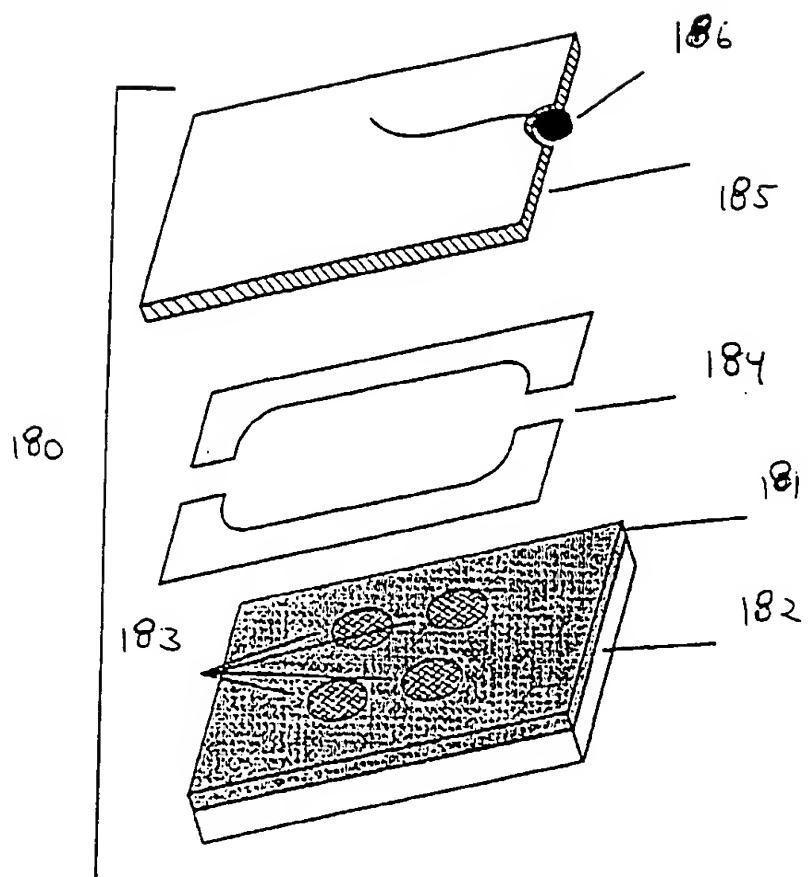
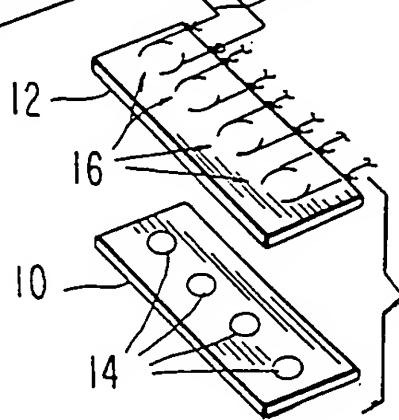
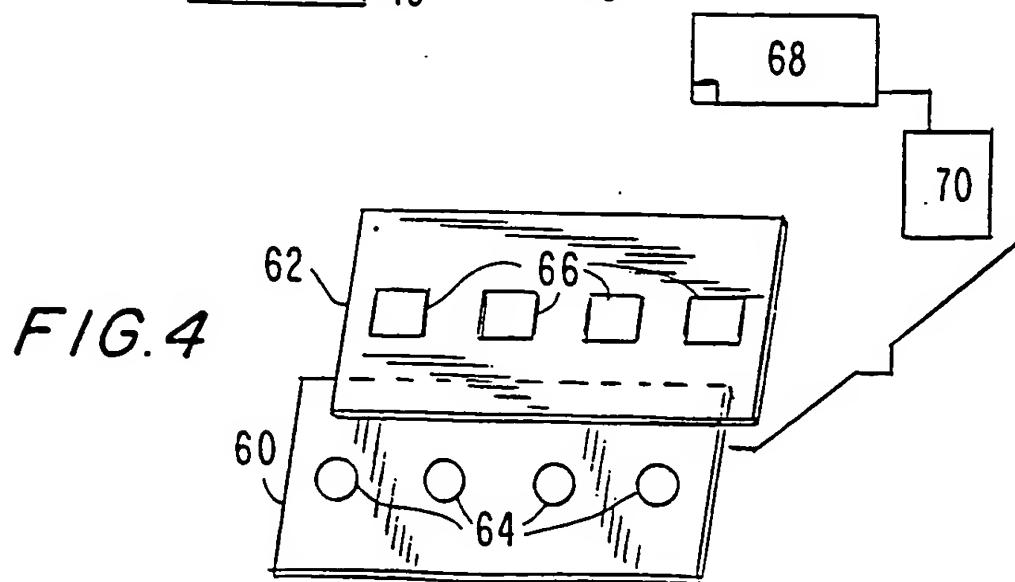
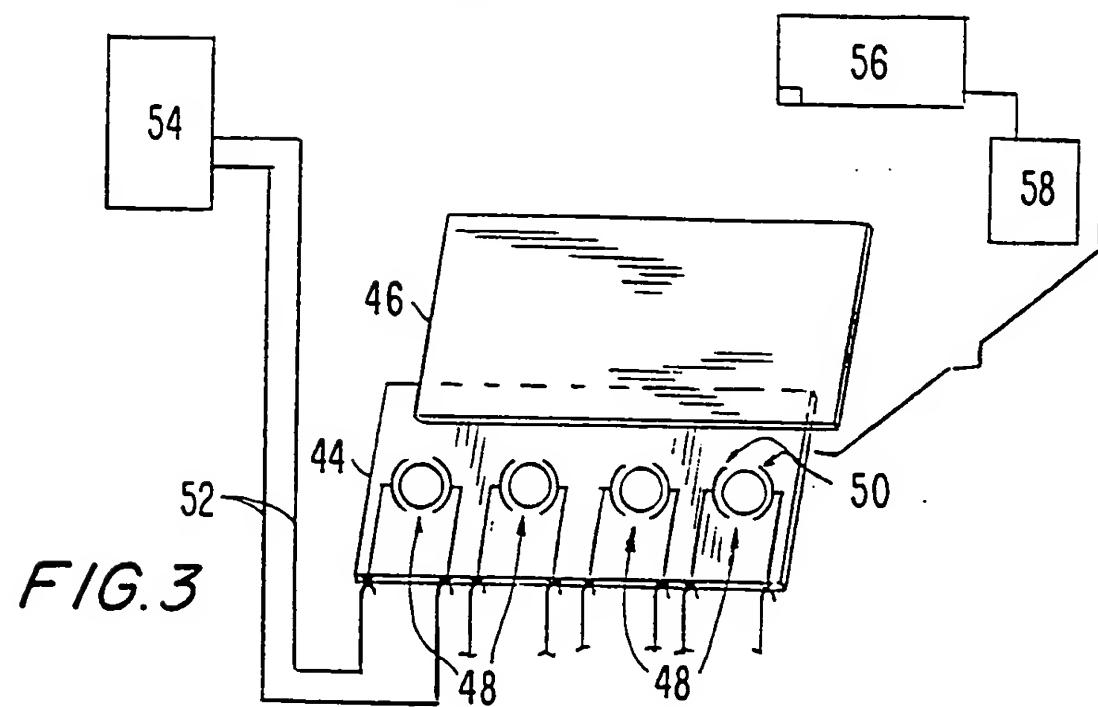
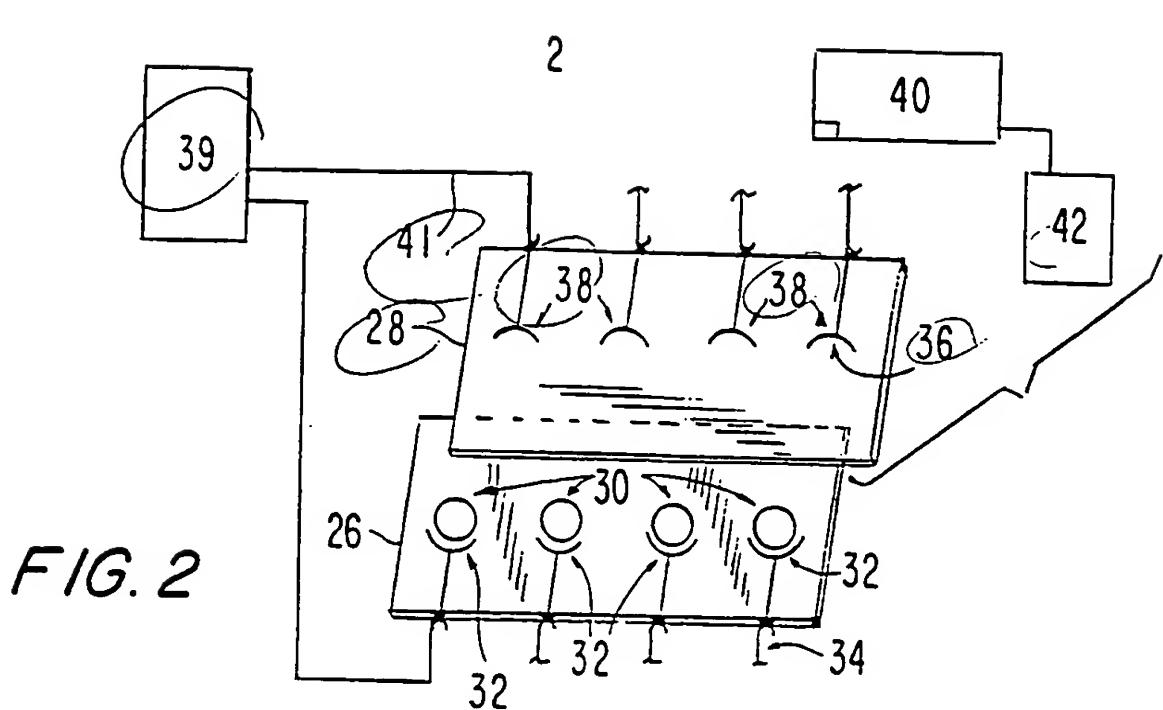
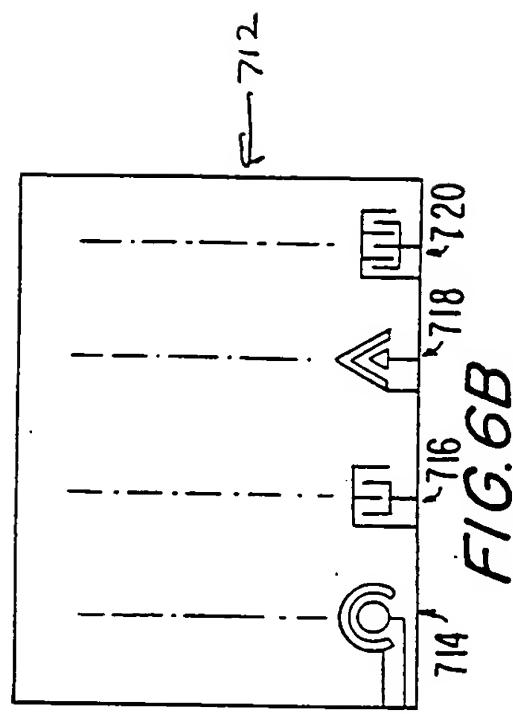
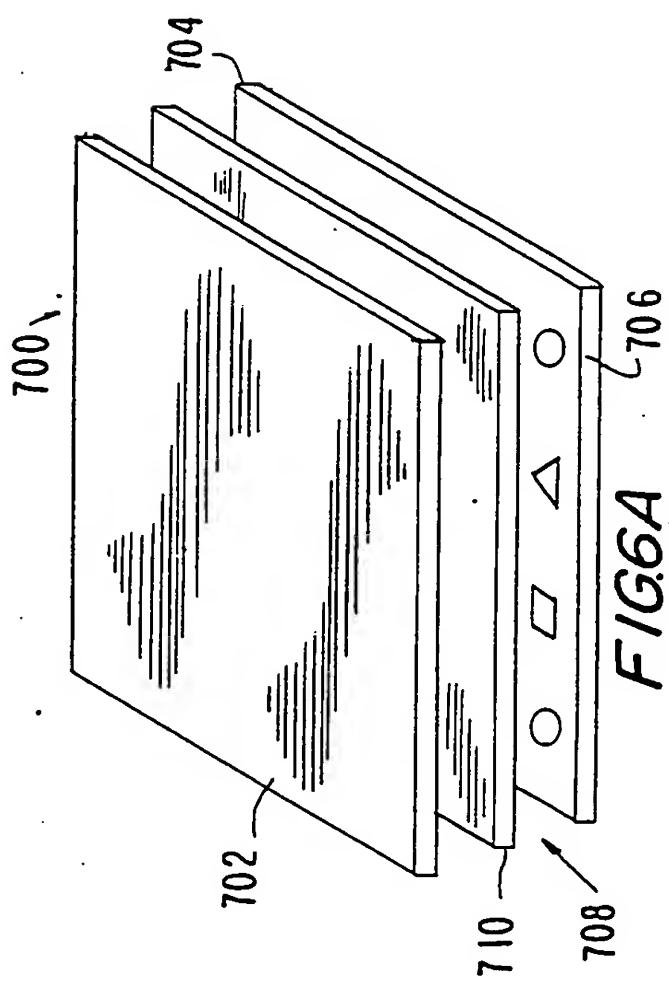
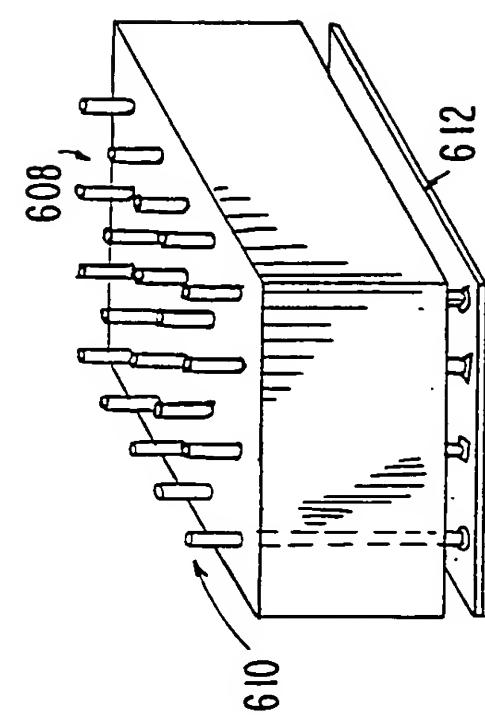
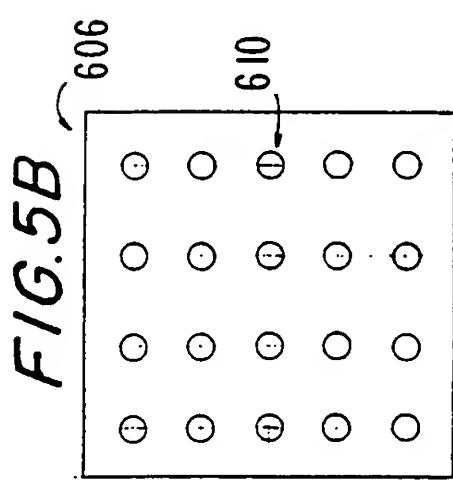
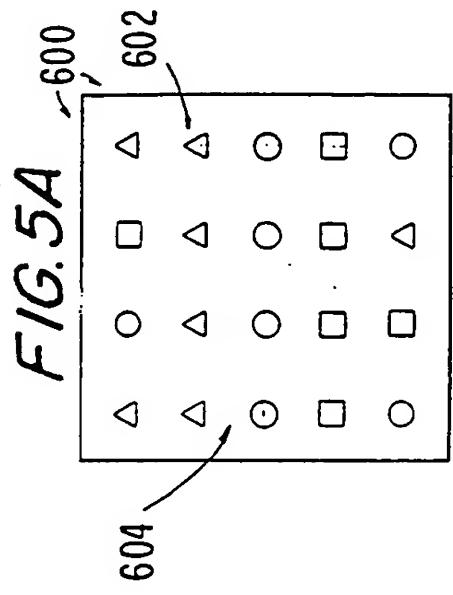


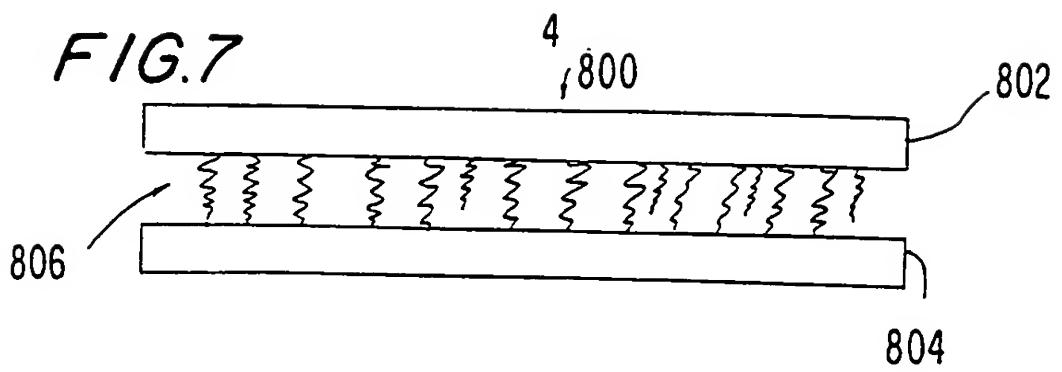
FIG. 1A



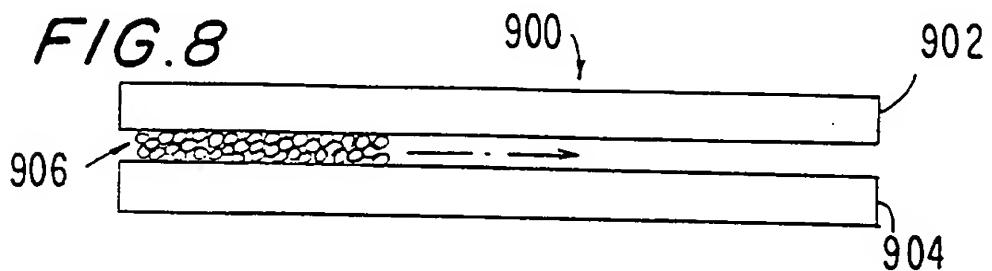




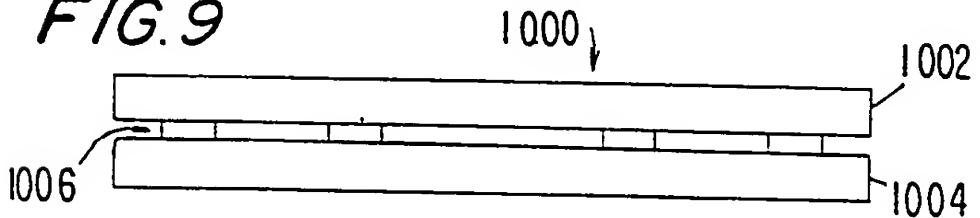
*FIG. 7*



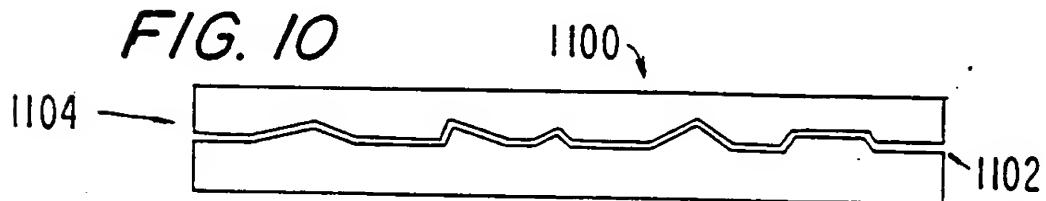
*FIG. 8*



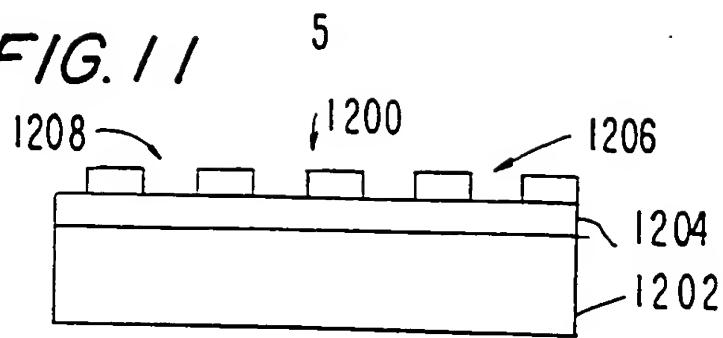
*FIG. 9*



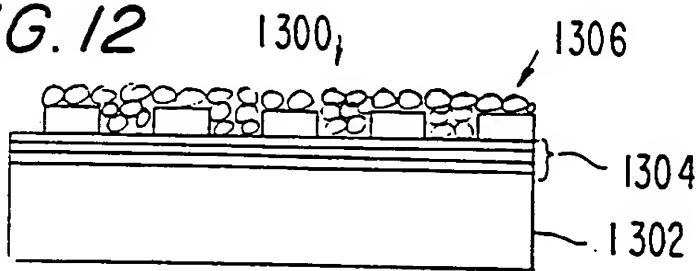
*FIG. 10*



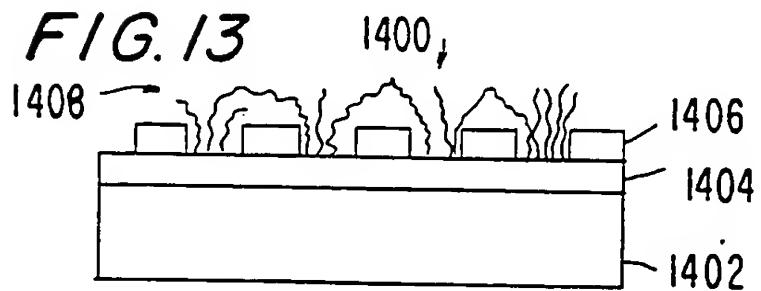
*FIG. 11*



*FIG. 12*



*FIG. 13*



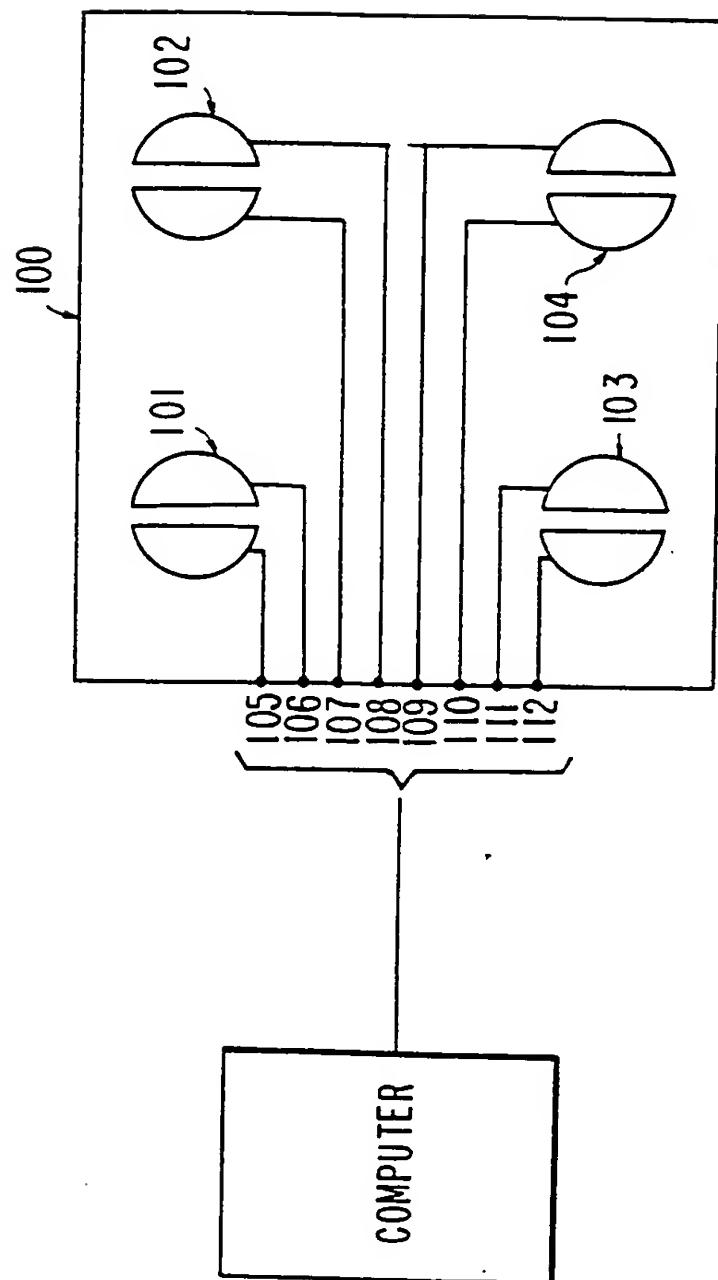


FIG. 14

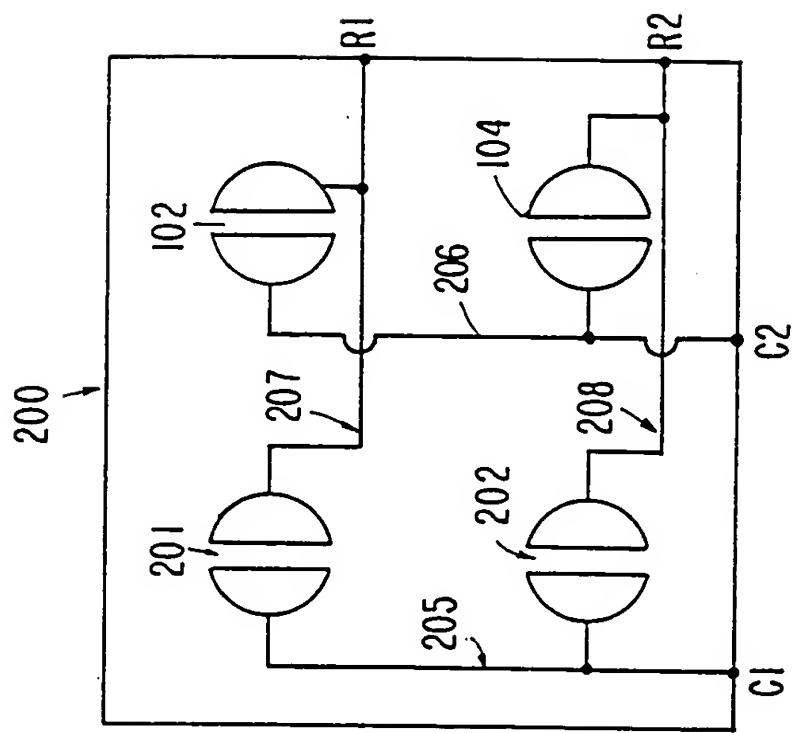


FIG. 15

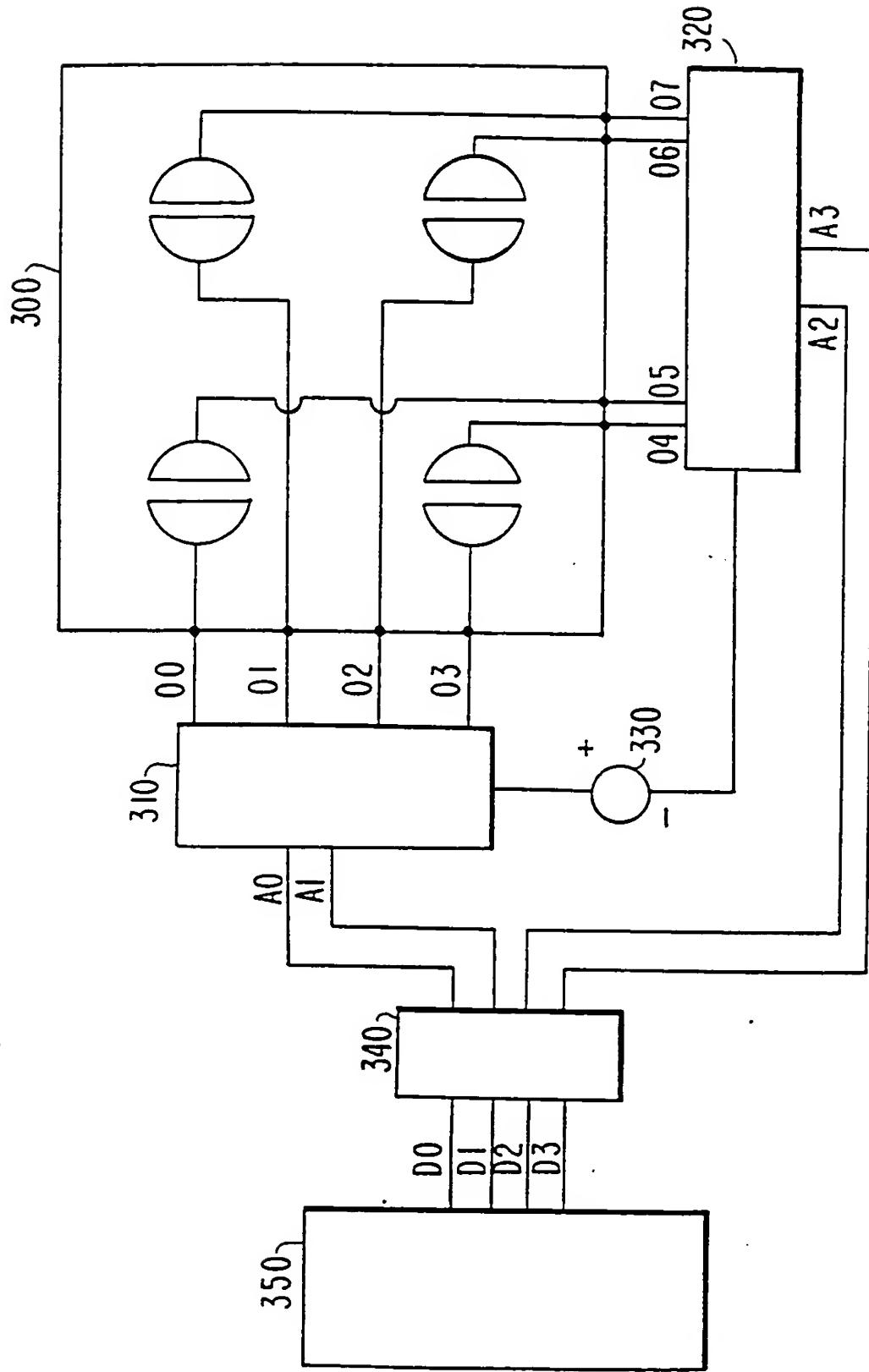


FIG. 16

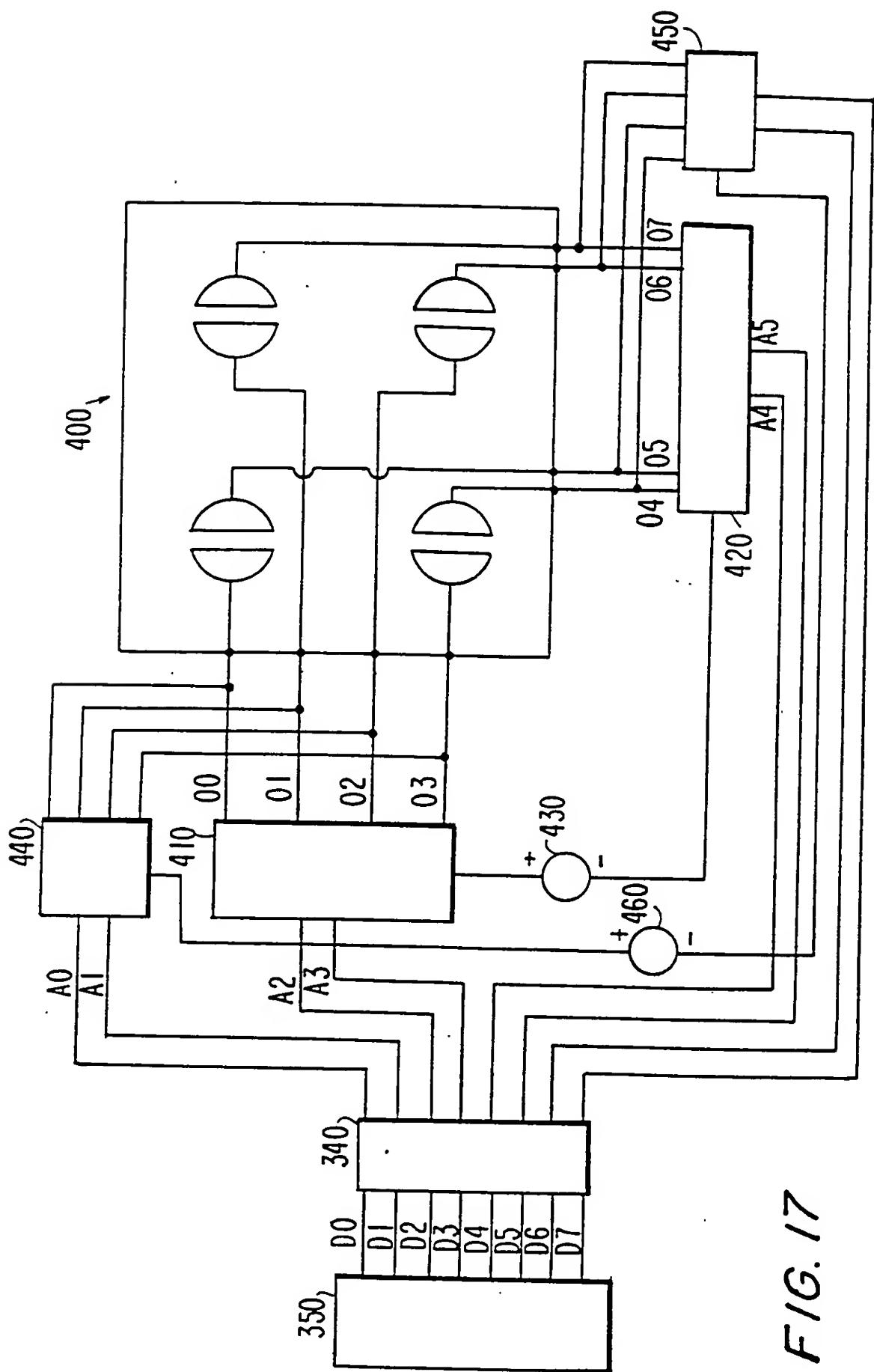


FIG. 17

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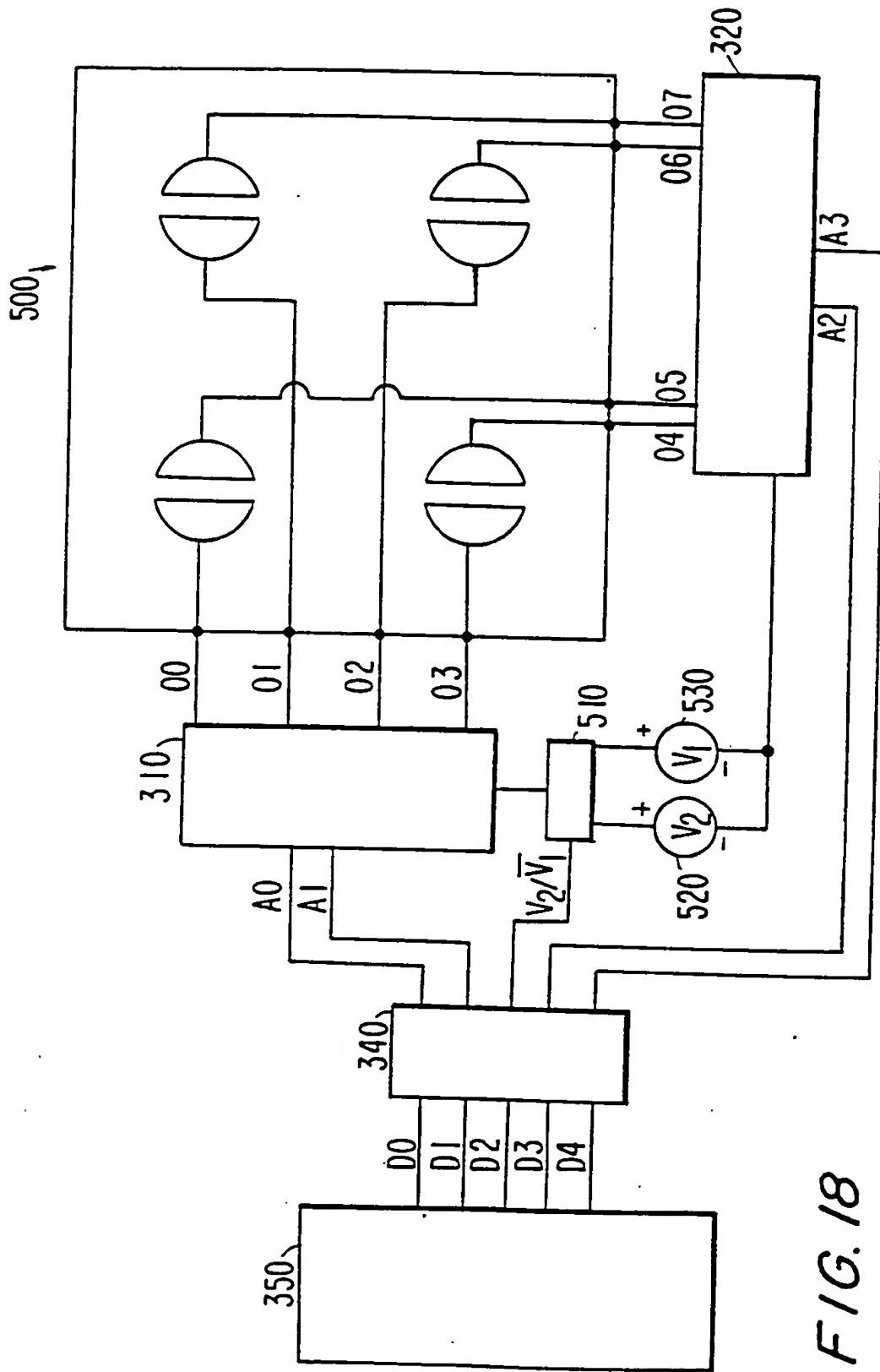




FIG. 19a

FIG. 19b

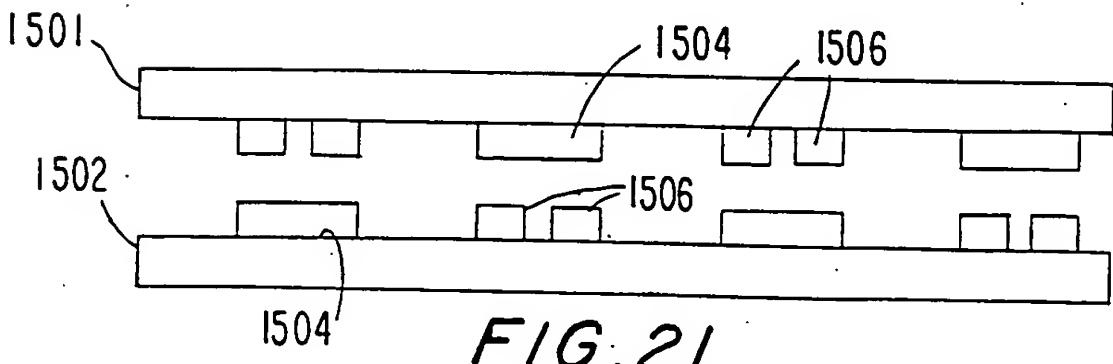
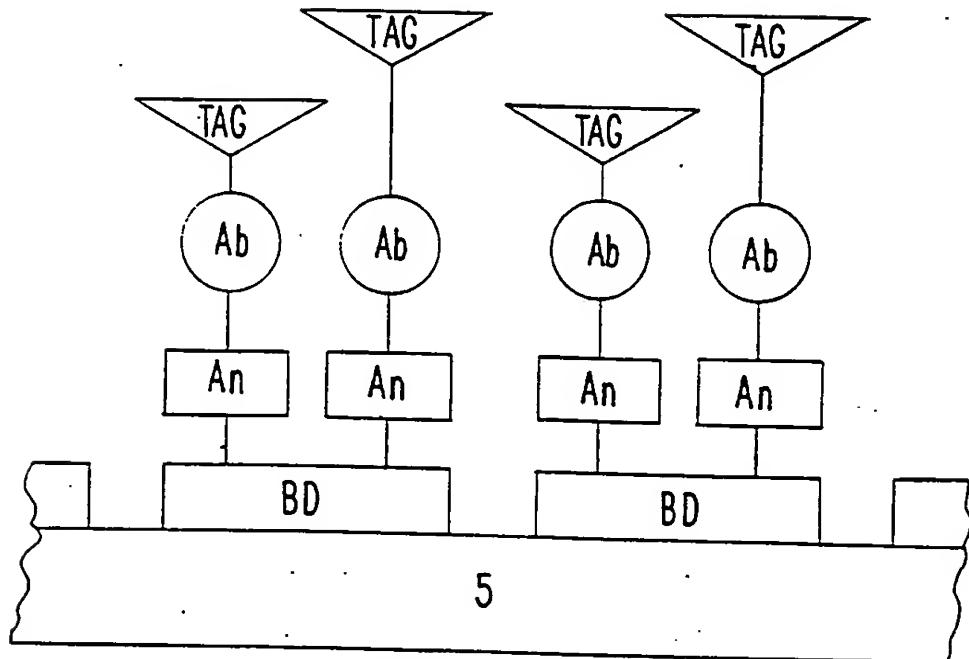


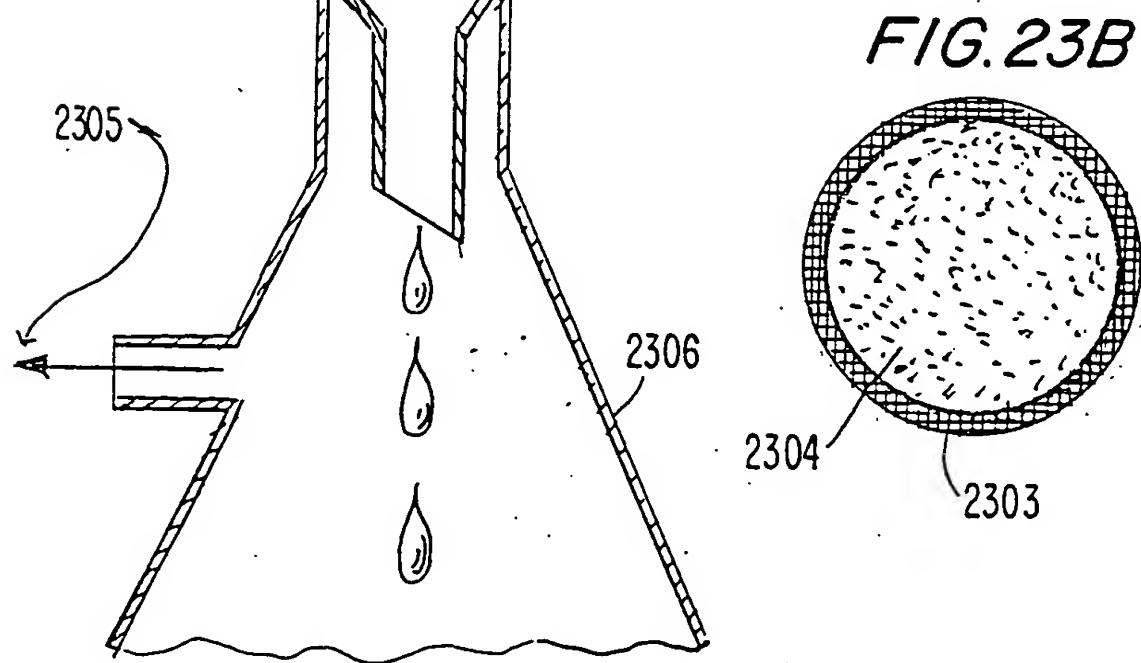
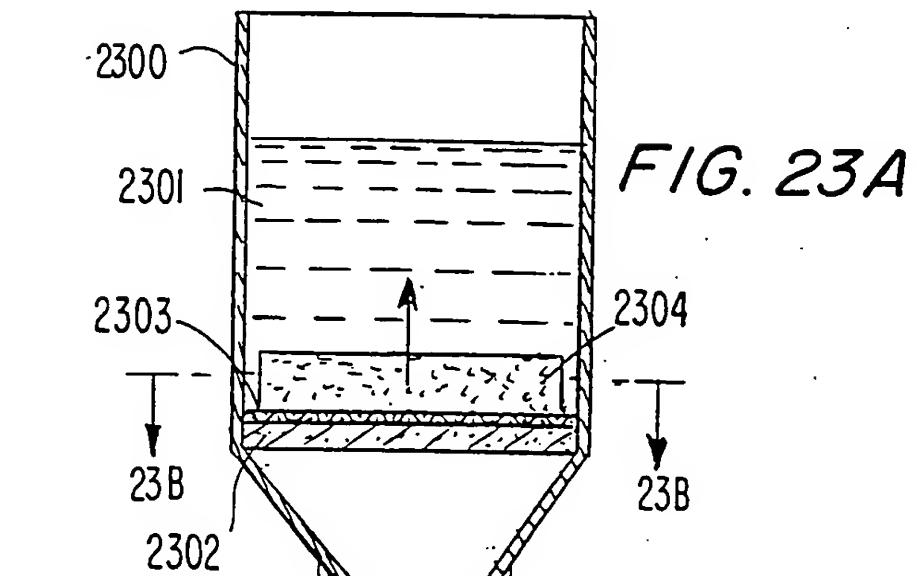
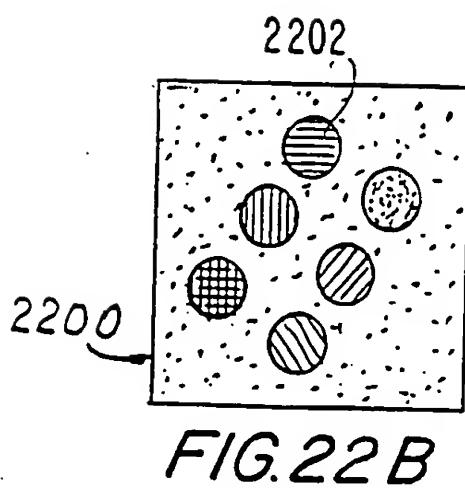
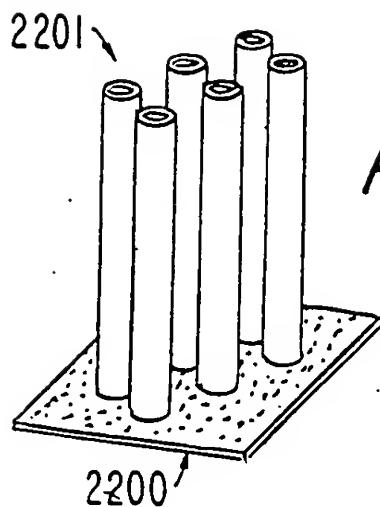
FIG. 19c

FIG. 19d



FIG. 19e





13

FIG. 24

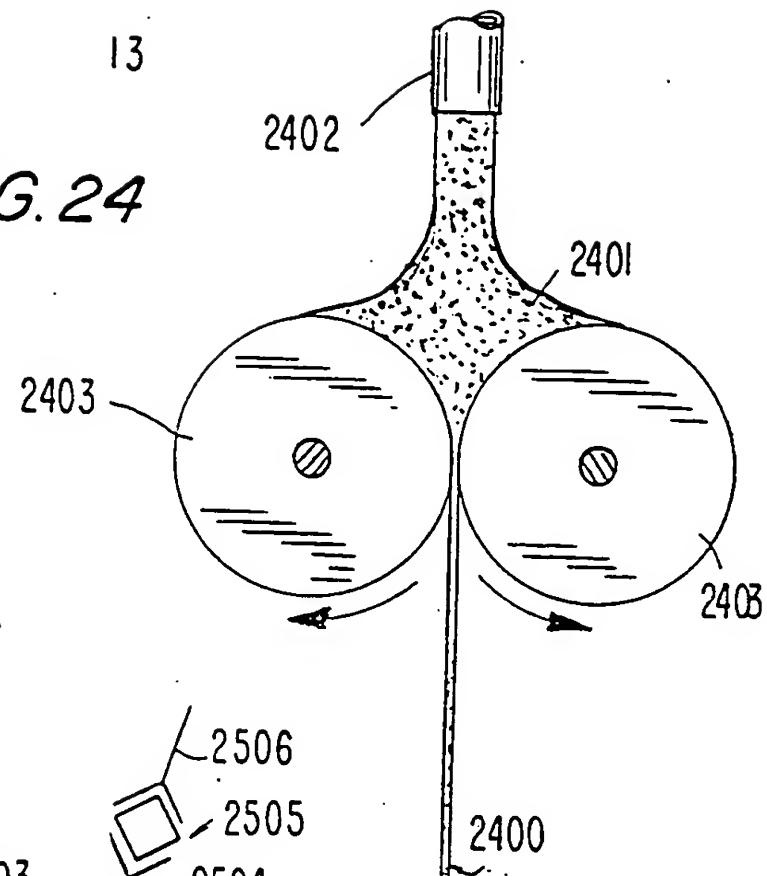


FIG. 25

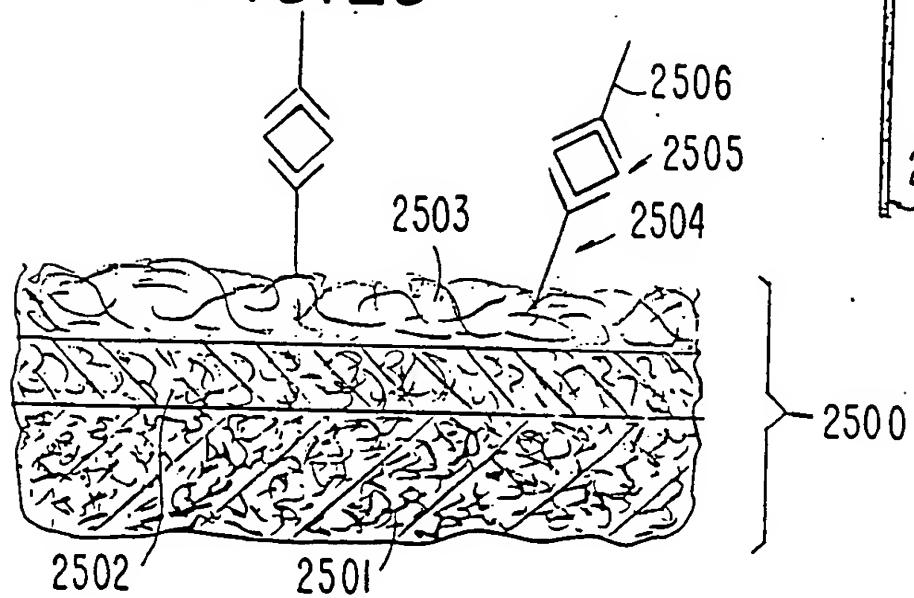
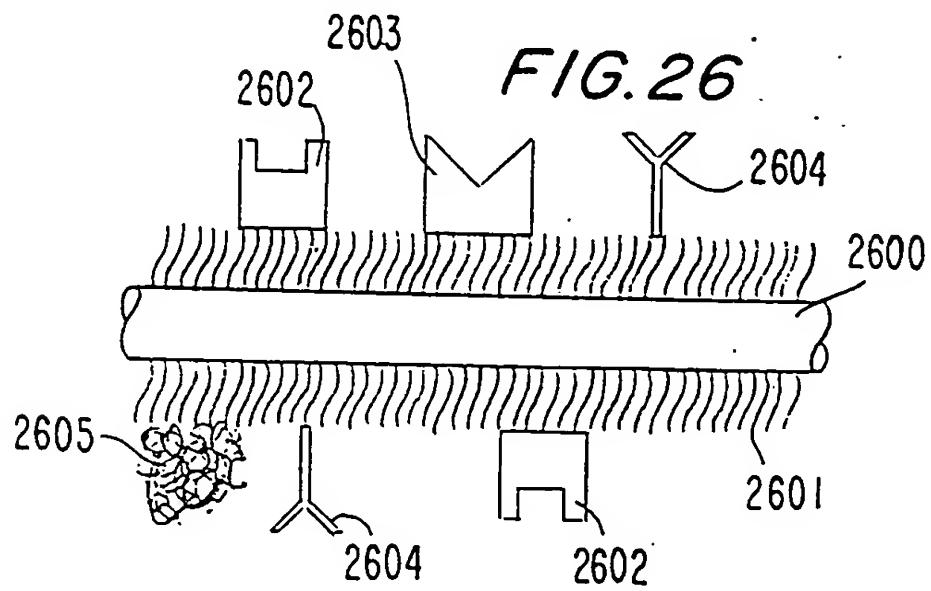
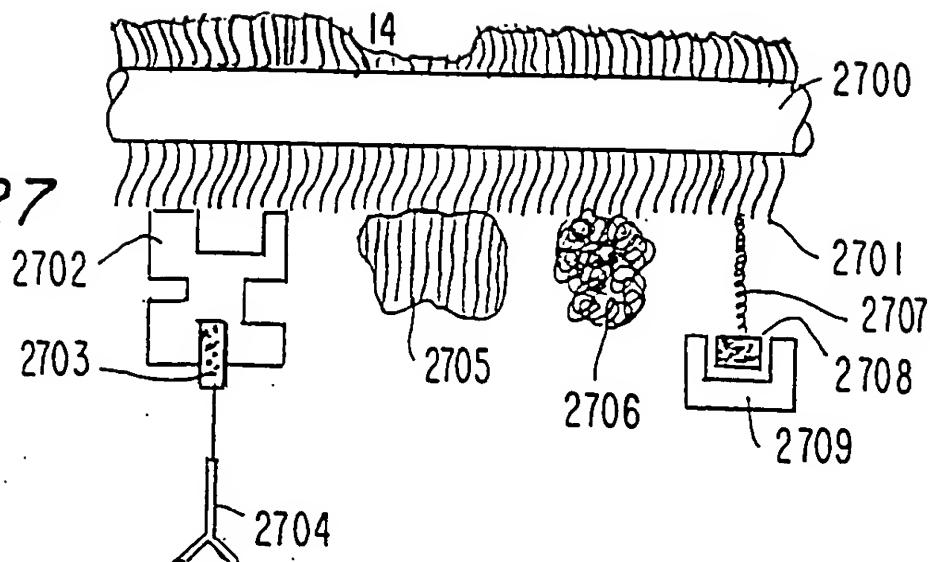


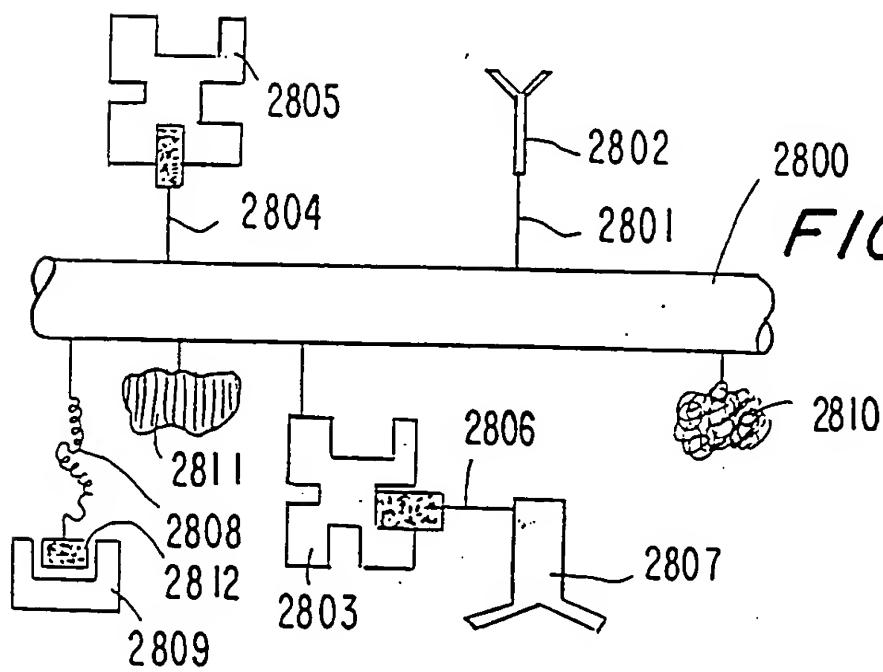
FIG. 26



*FIG. 27*



*FIG. 28*



*FIG. 29*

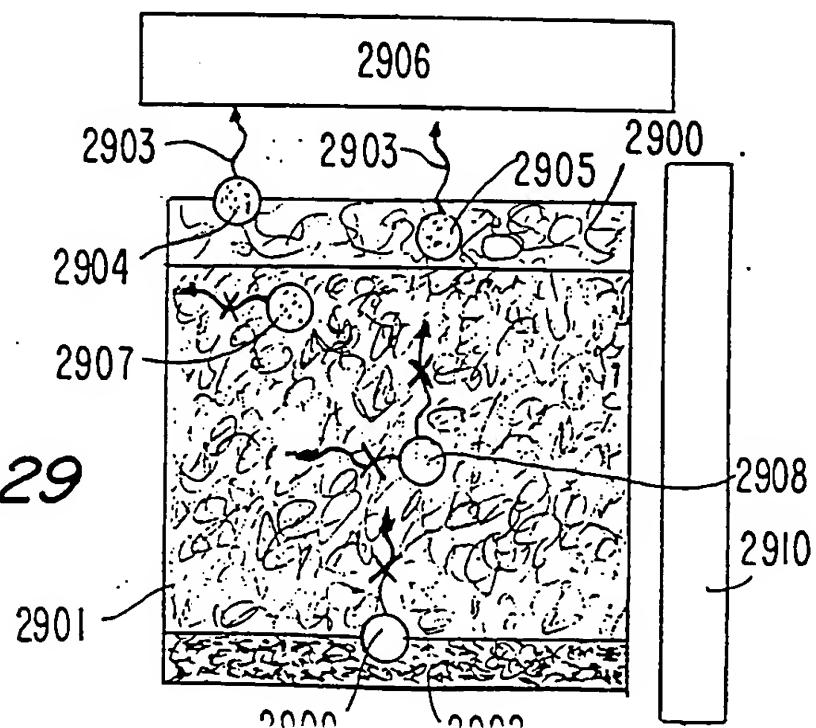


FIG. 30A

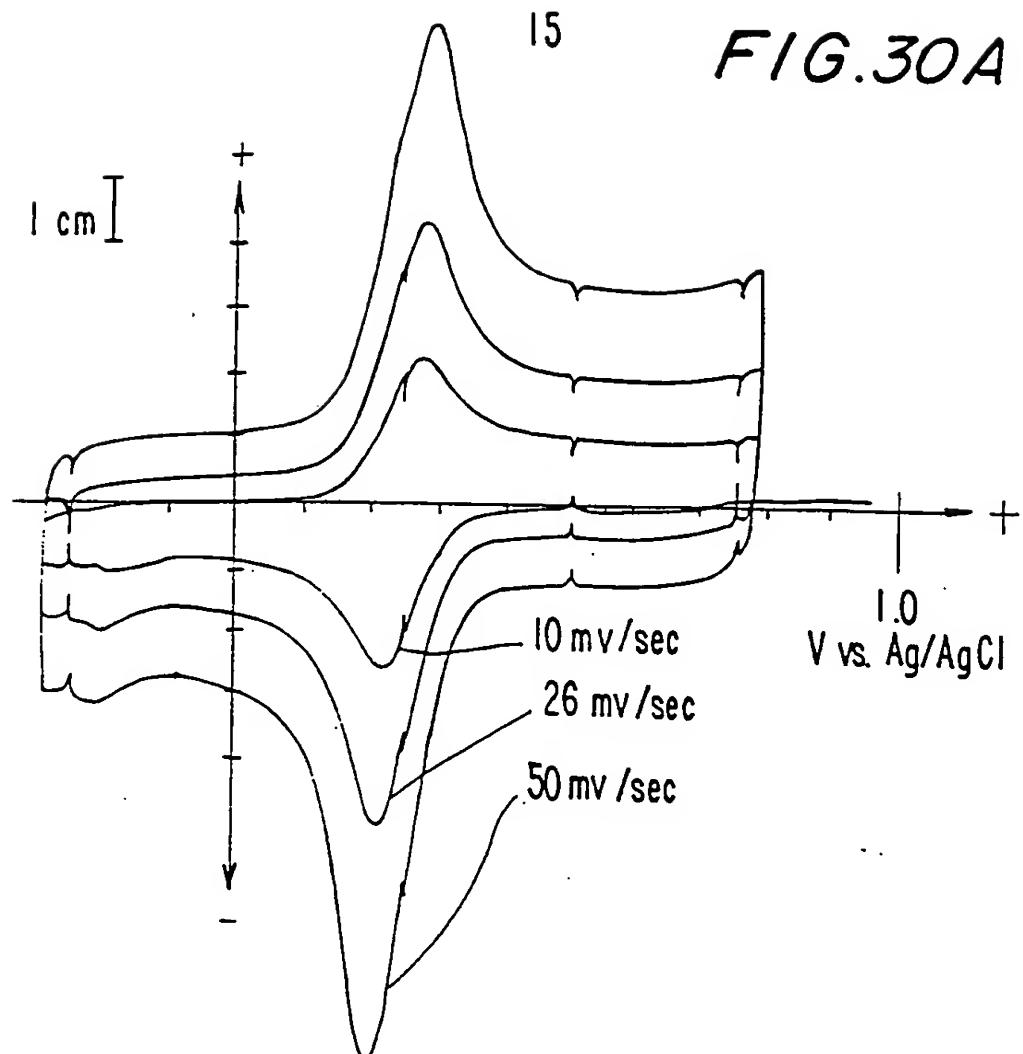


FIG. 30B

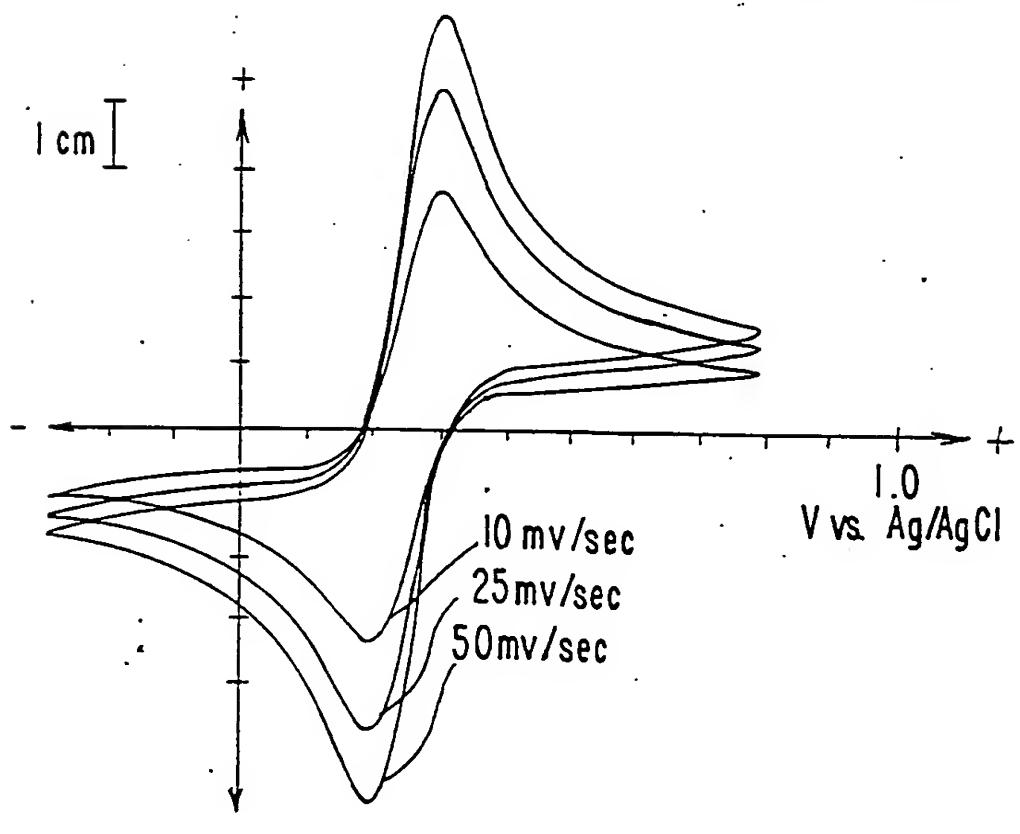
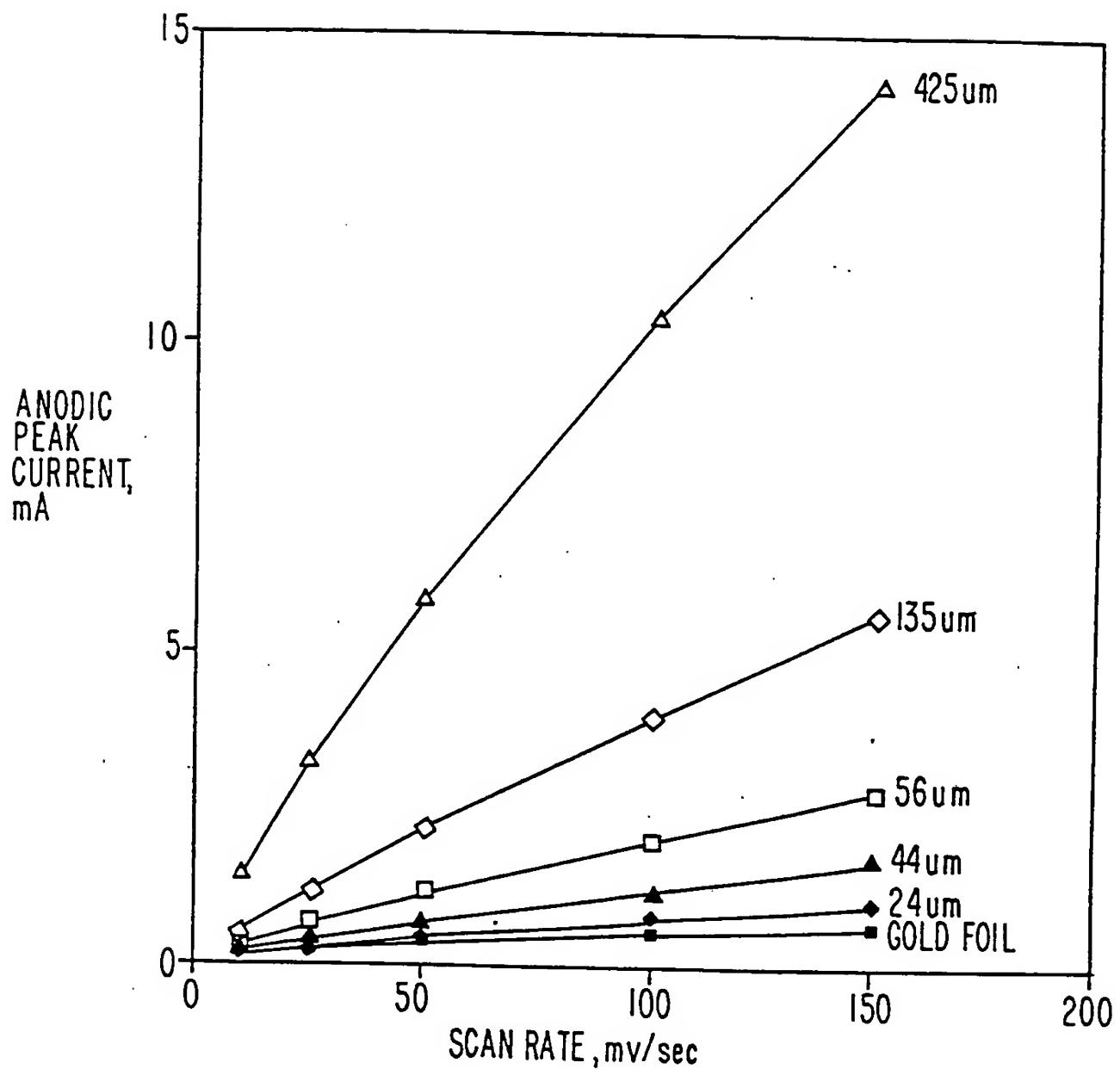


FIG. 31



ECL PEAK INTENSITY

FIG. 32

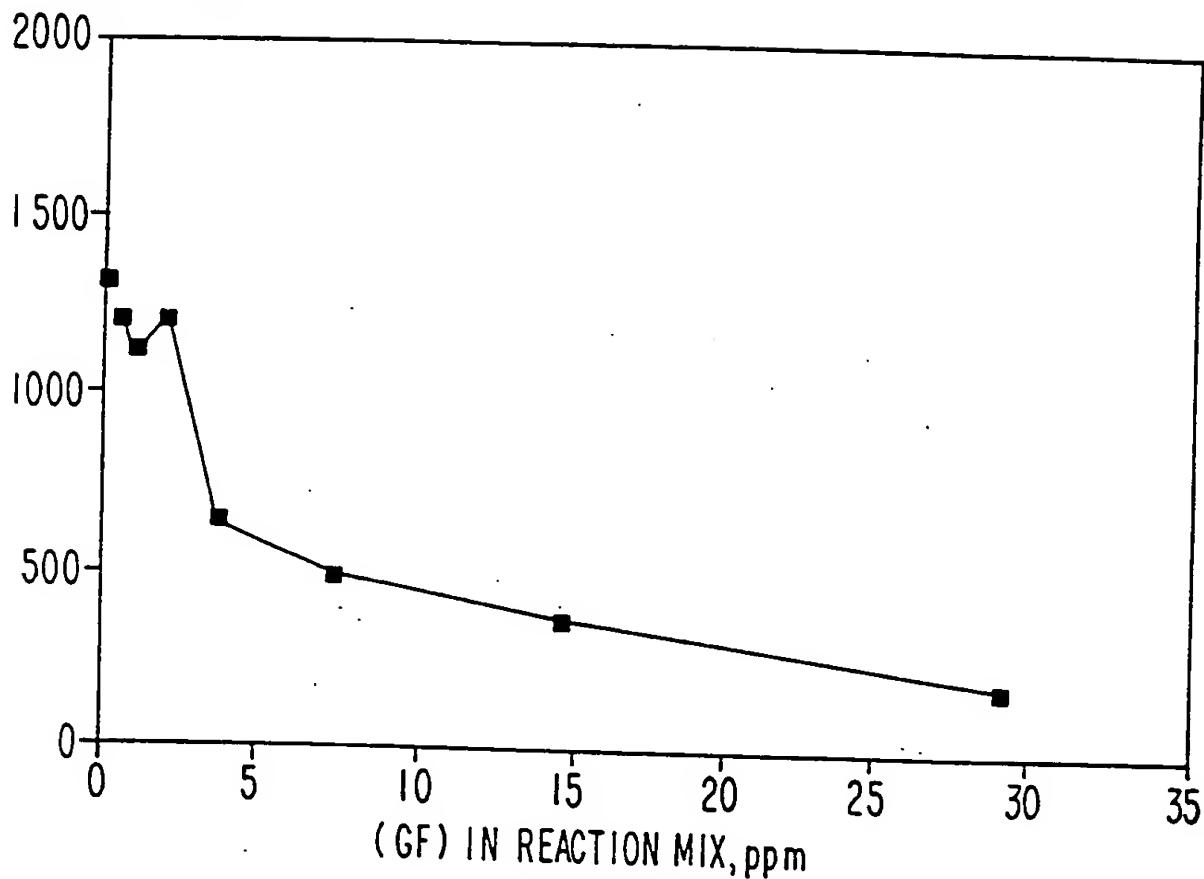
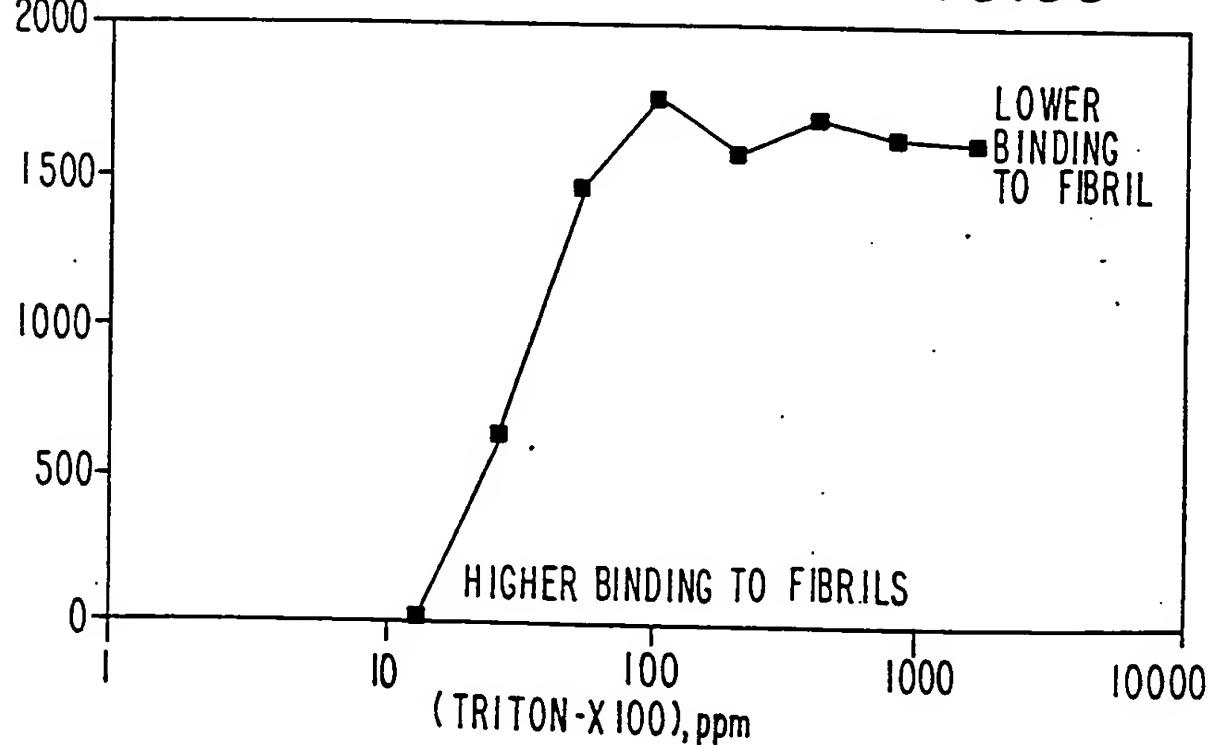
ECL PEAK INTENSITY  
OF SUPERNANTANT

FIG. 33



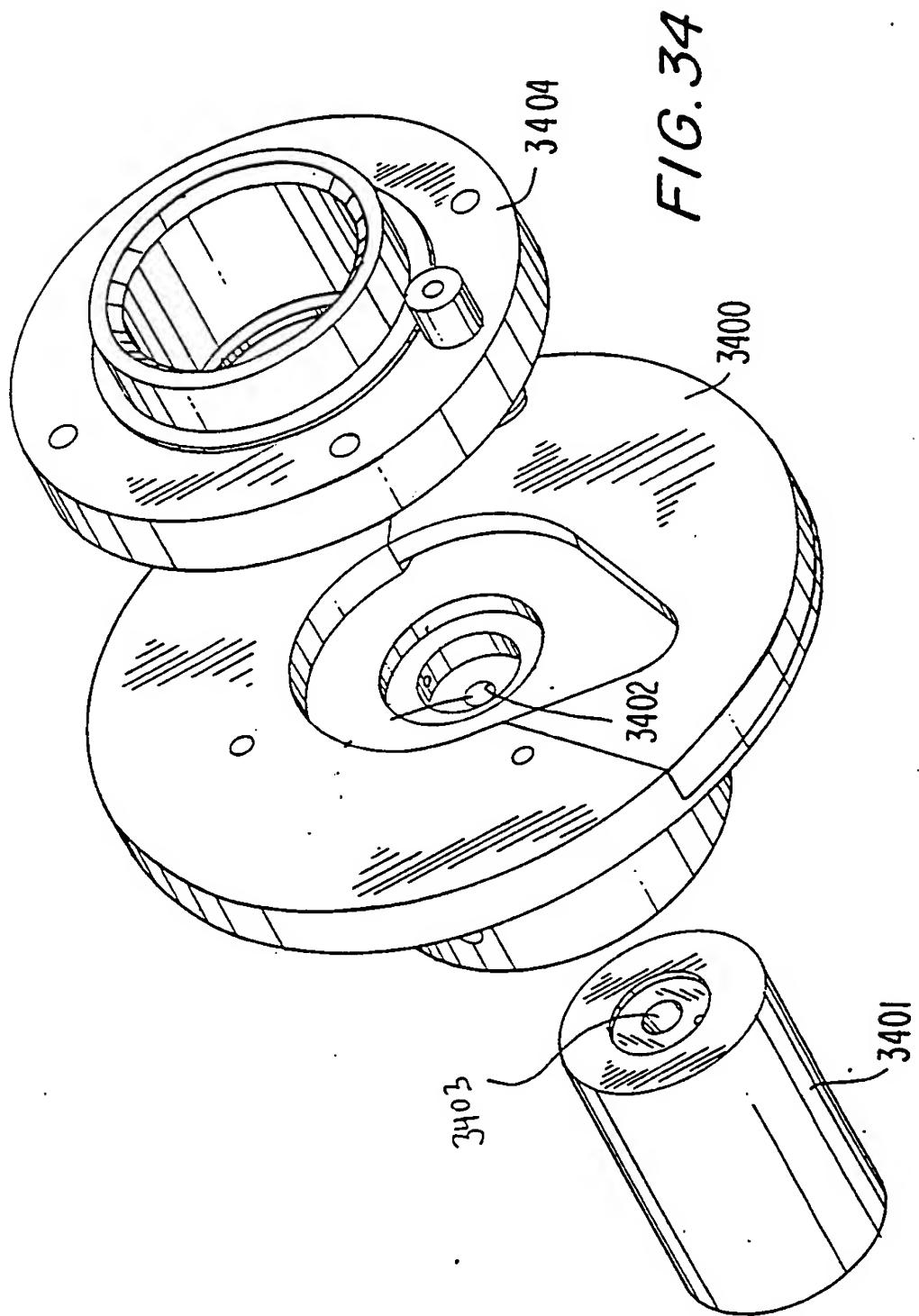
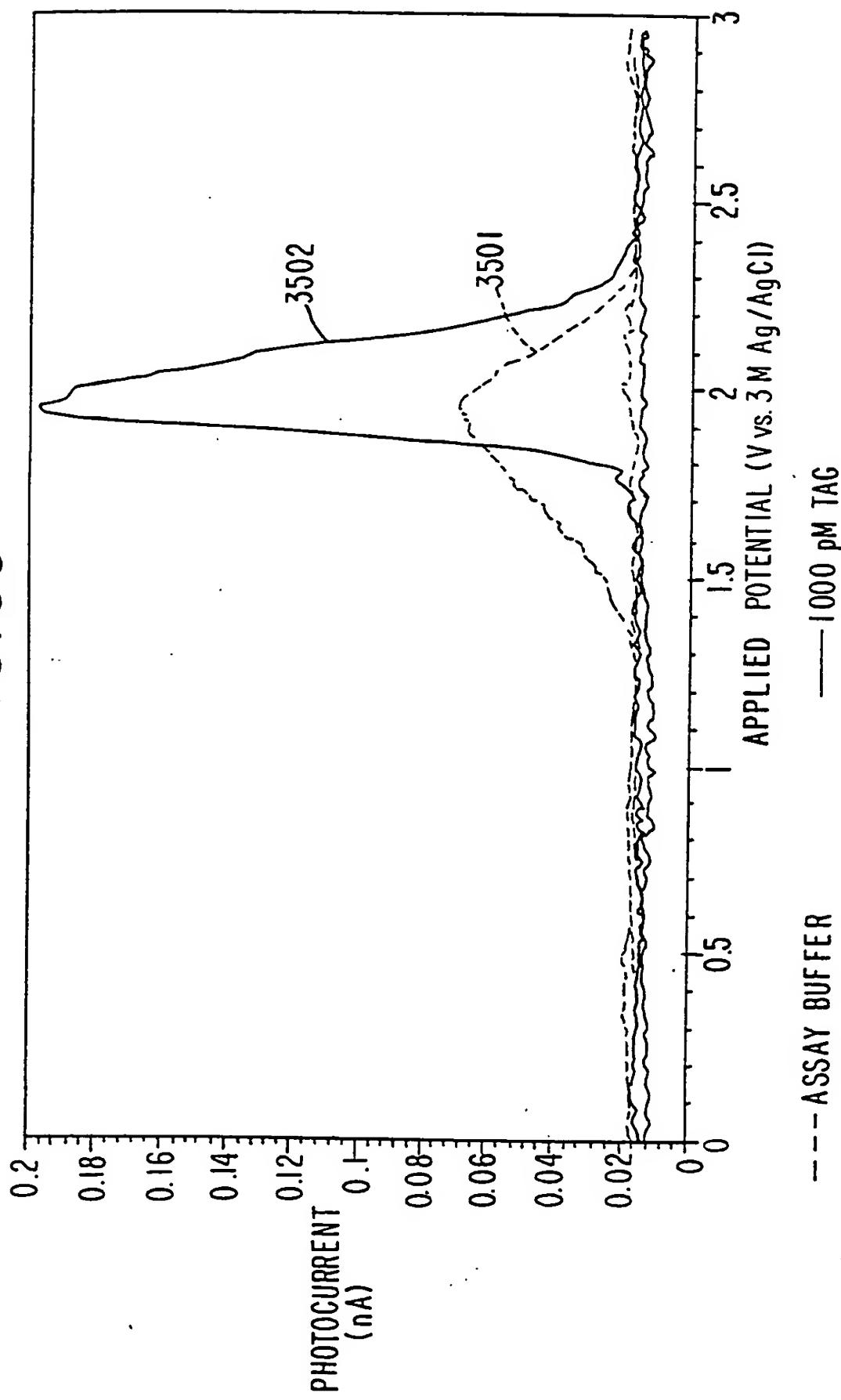
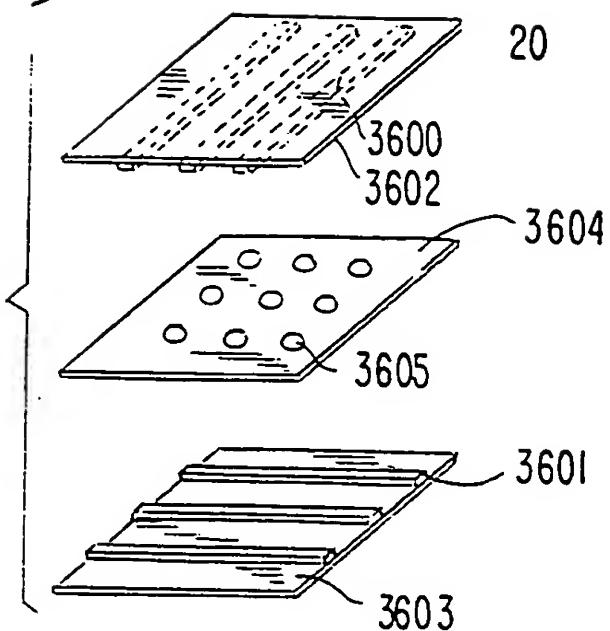


FIG. 35

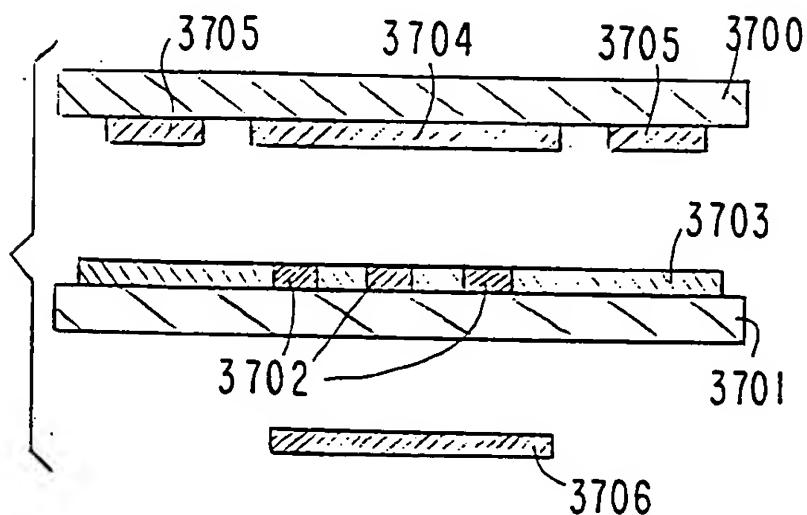
19



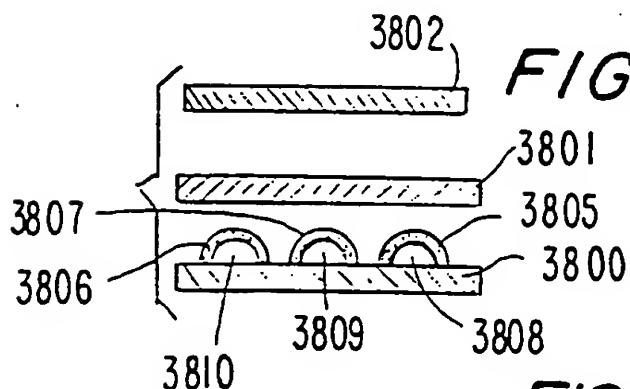
*FIG. 36*



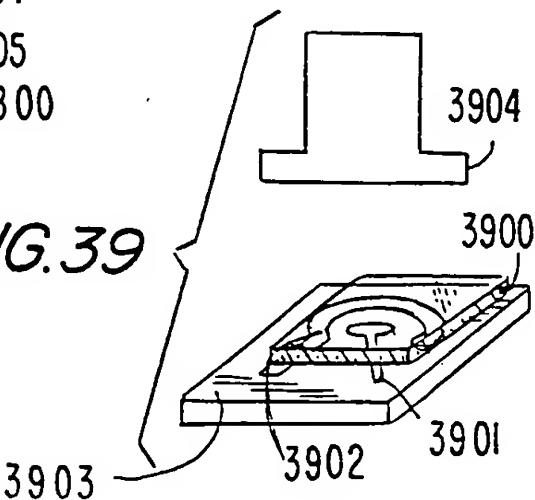
*FIG. 37*



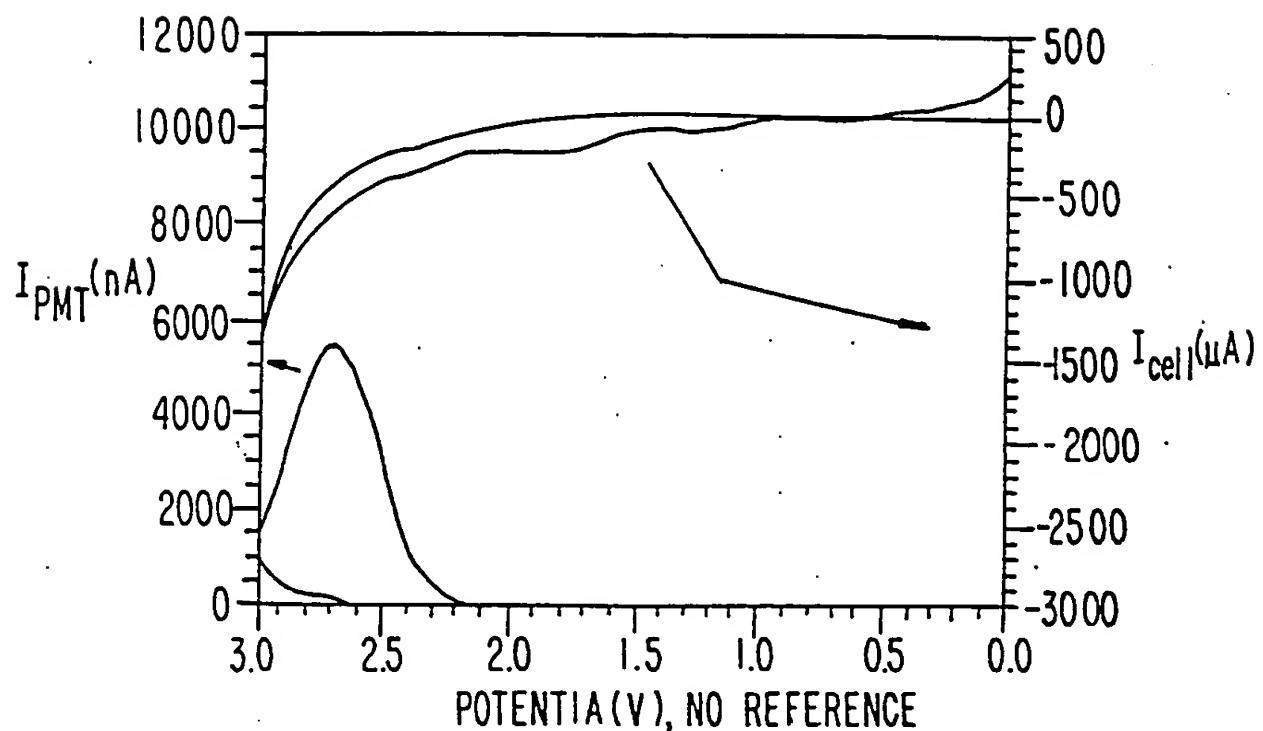
*FIG. 38*



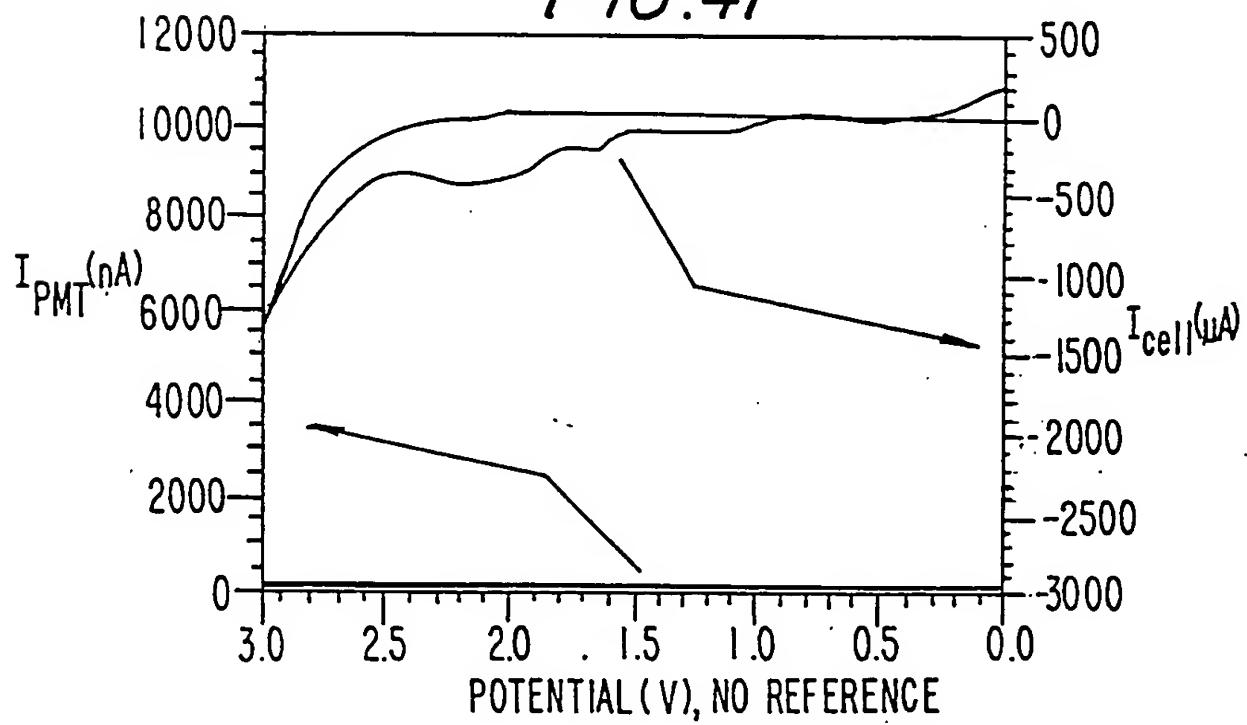
*FIG. 39*

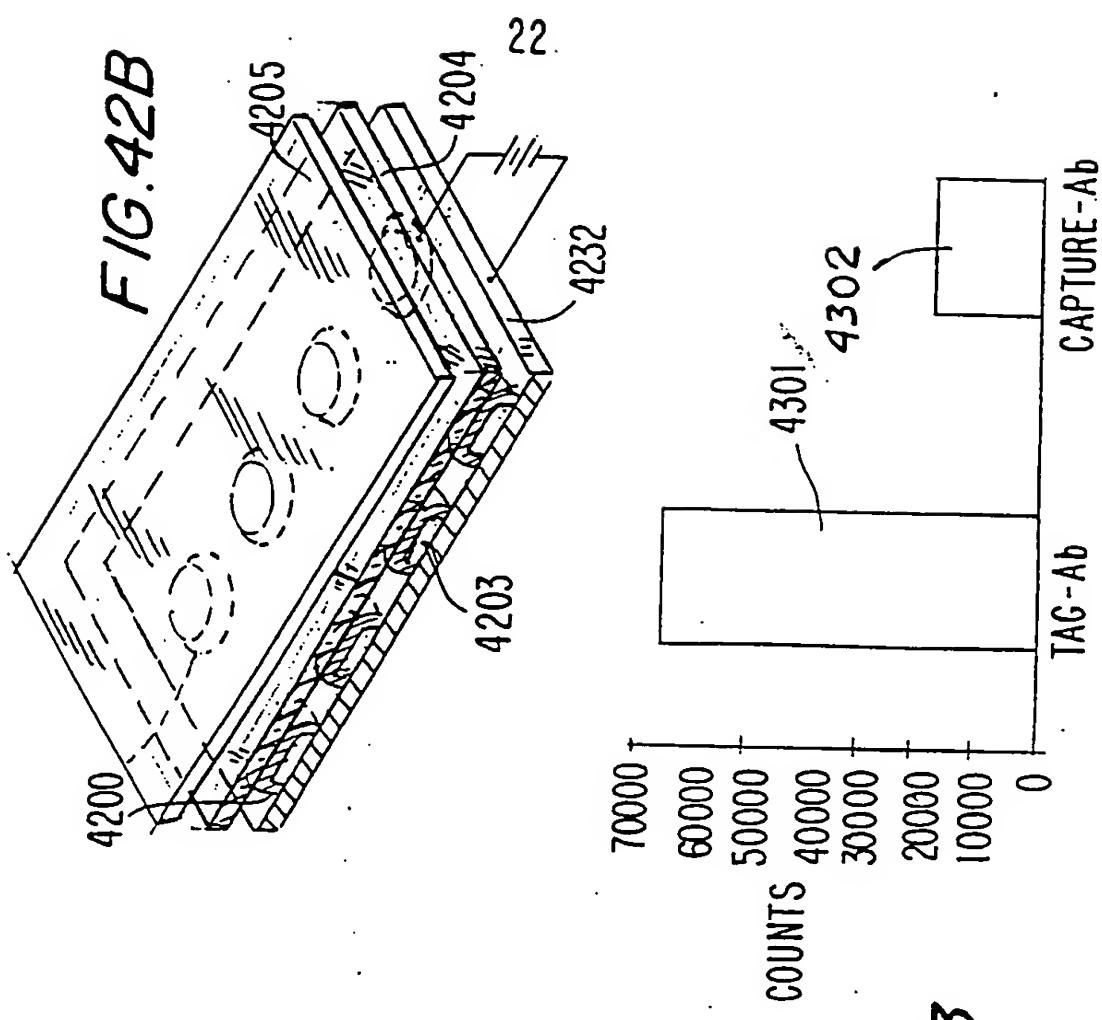
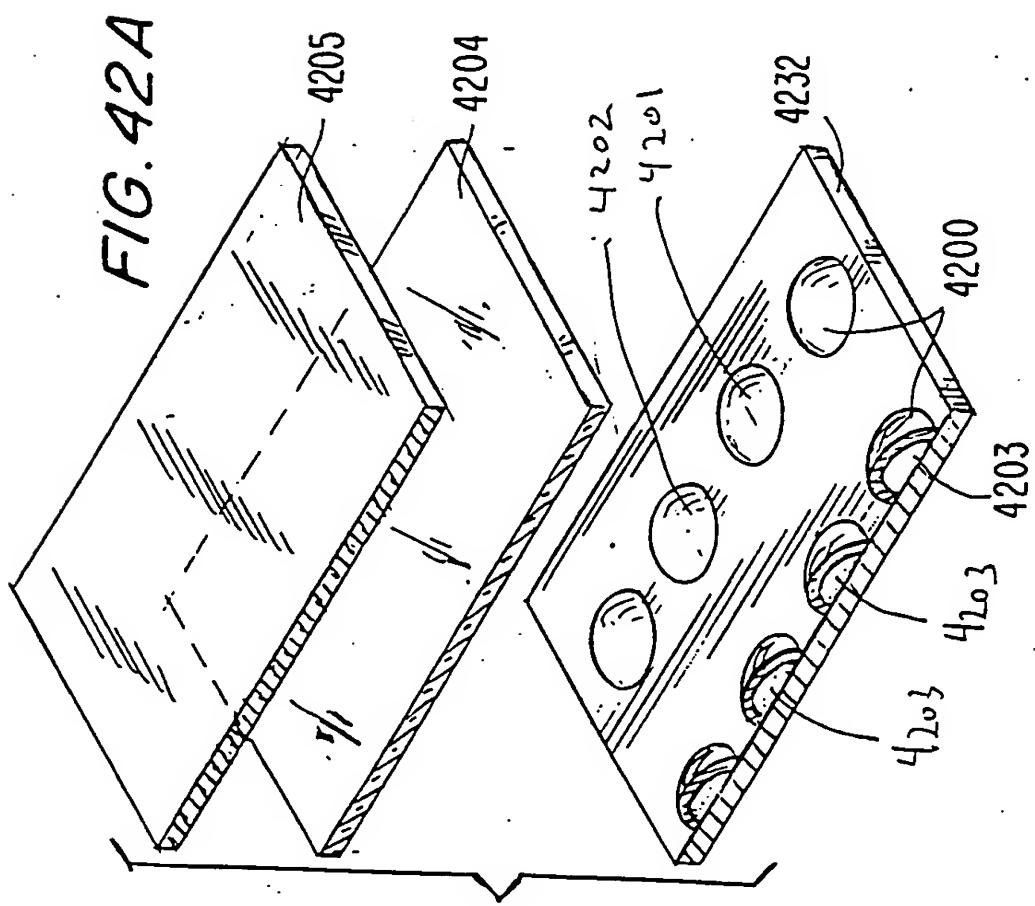


*FIG. 40* <sup>21</sup>



*FIG. 41*





*FIG. 43*

FIG. 44A

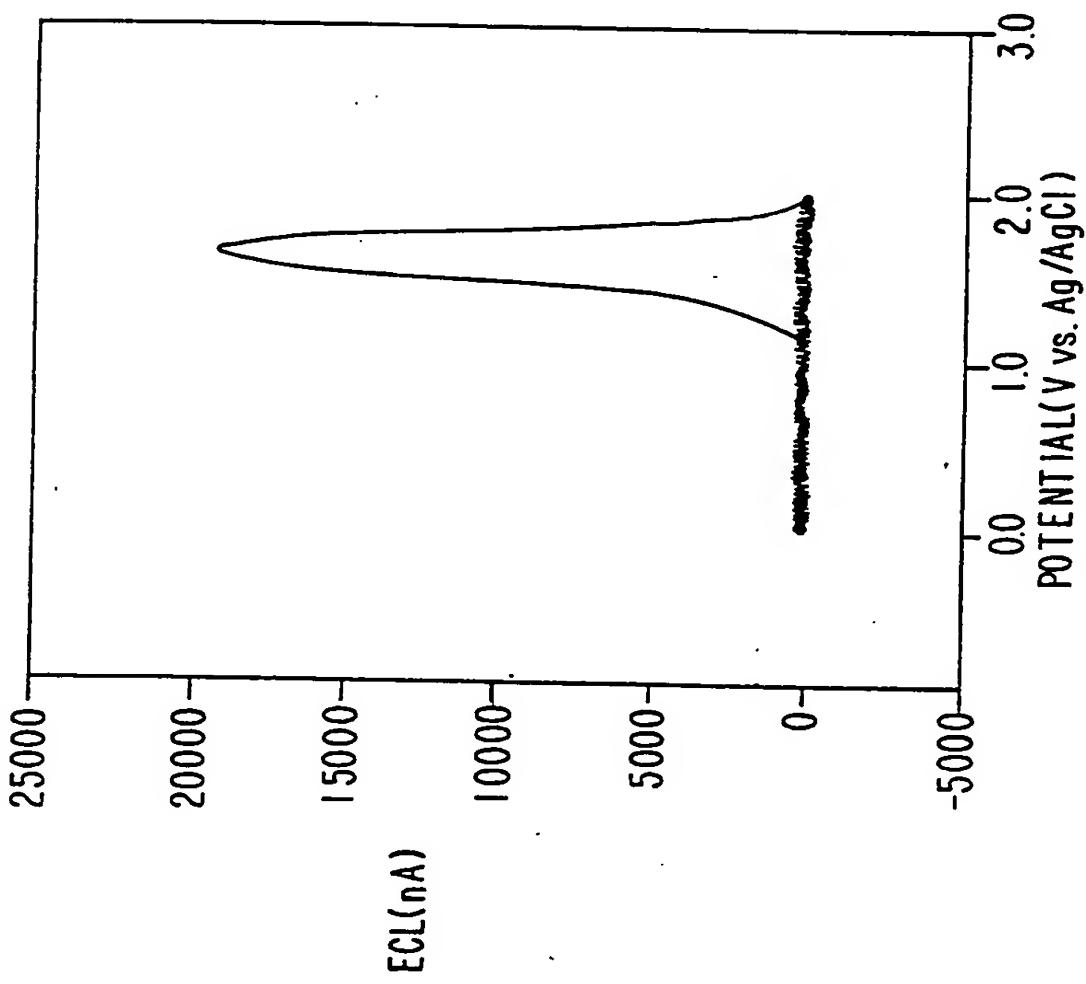
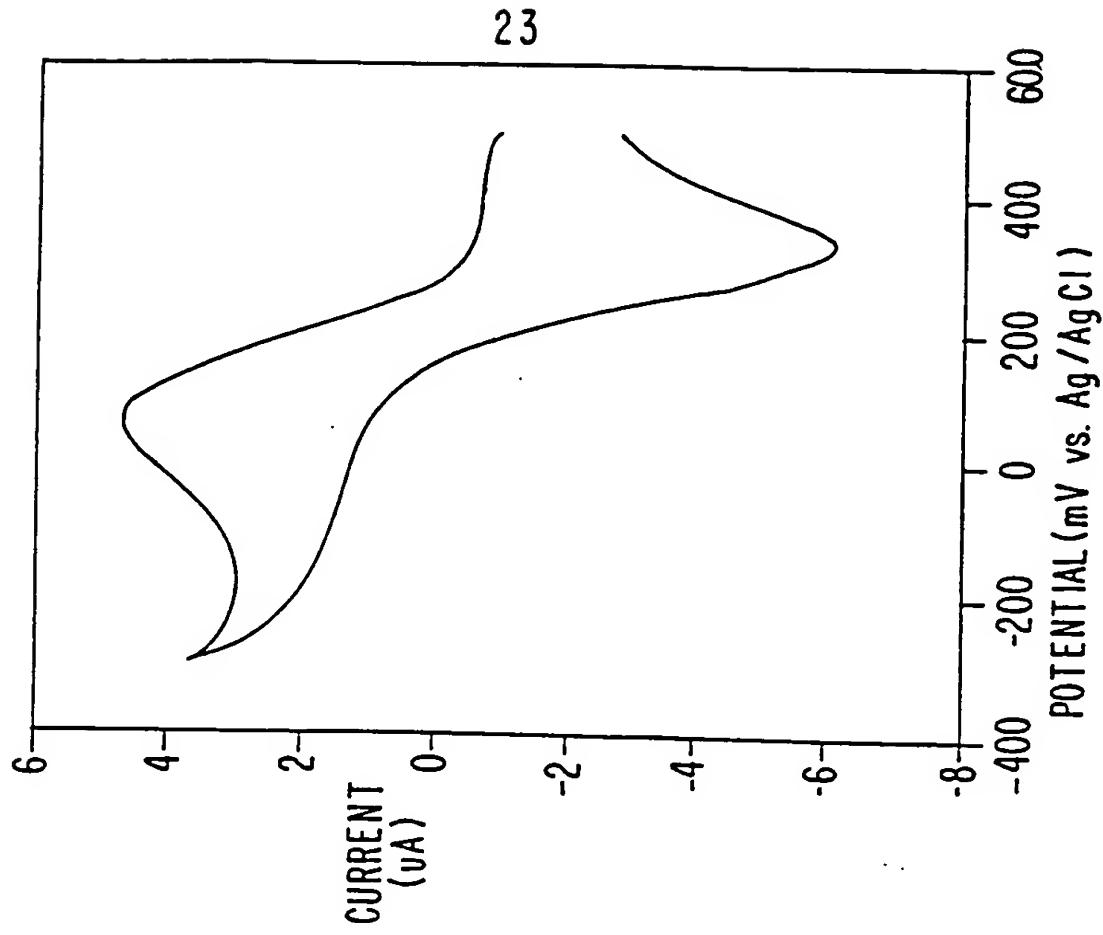


FIG. 44B



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FIG. 45A

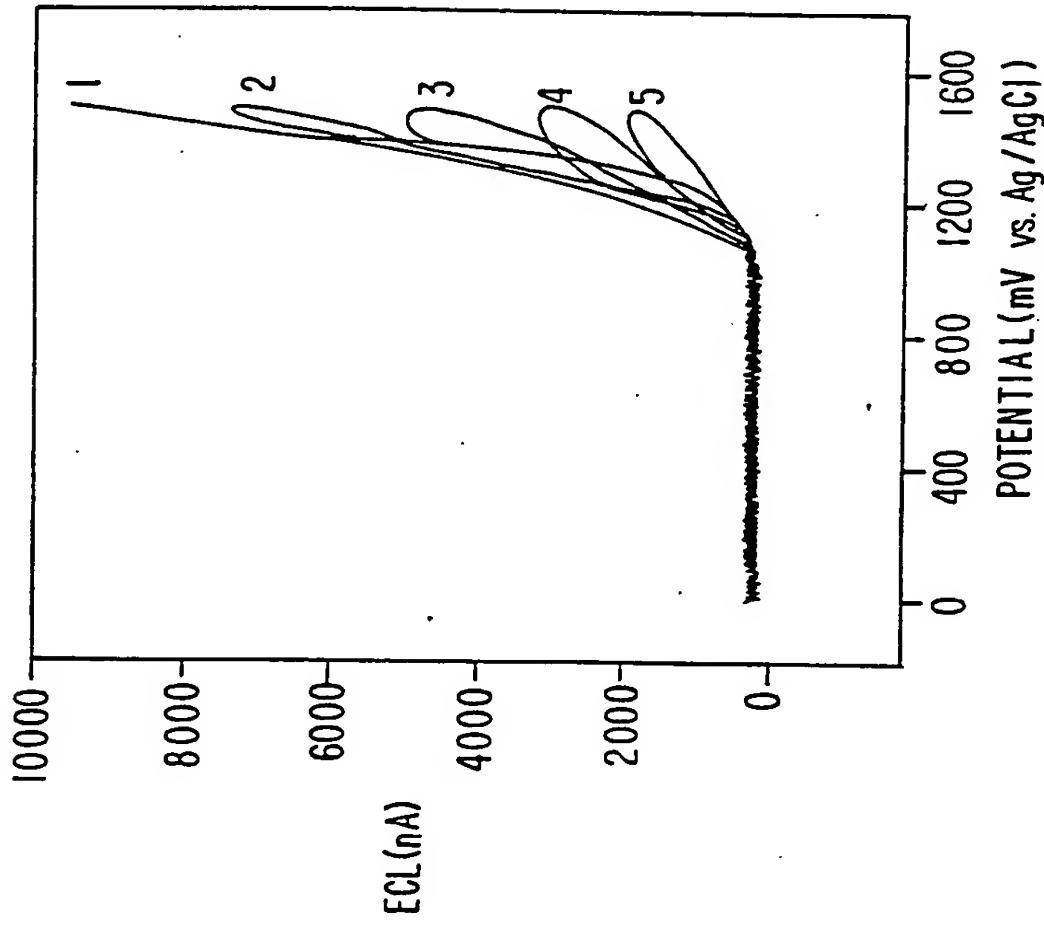


FIG. 45B

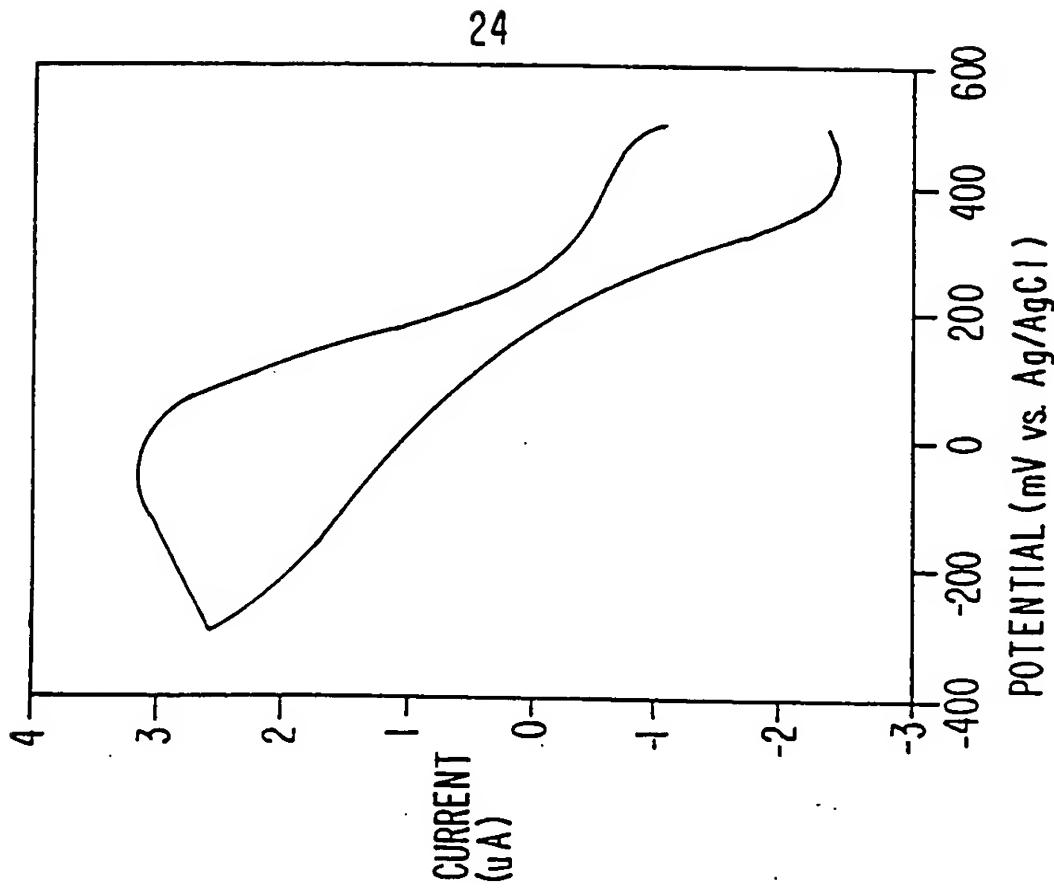


FIG. 46A

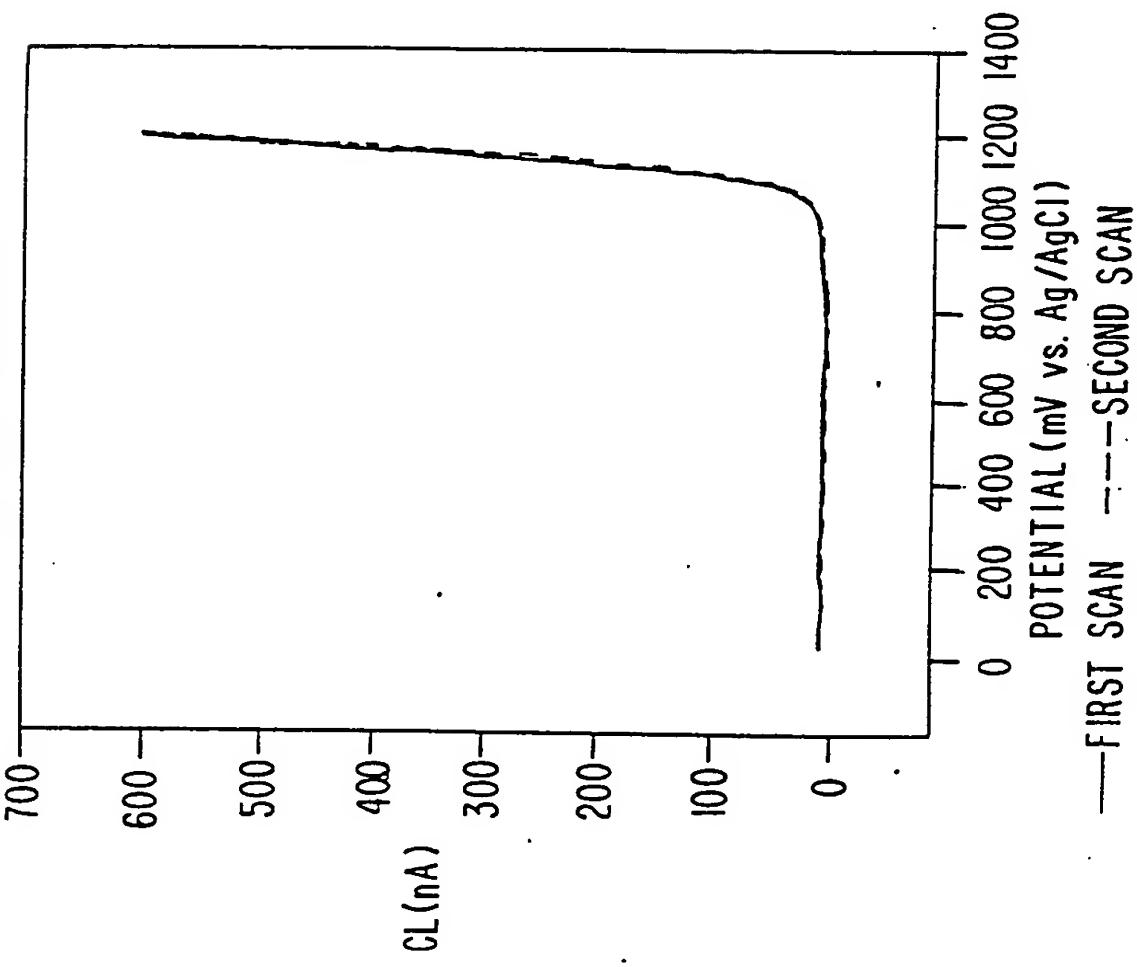


FIG. 46B

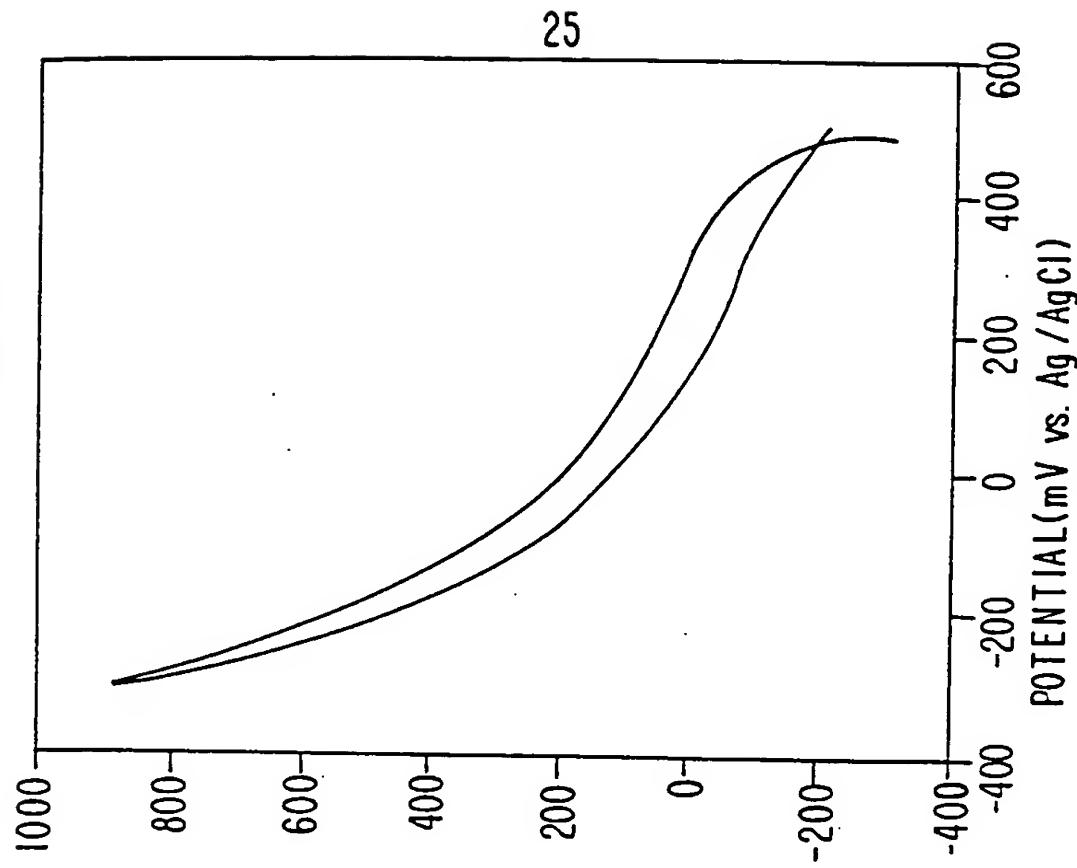
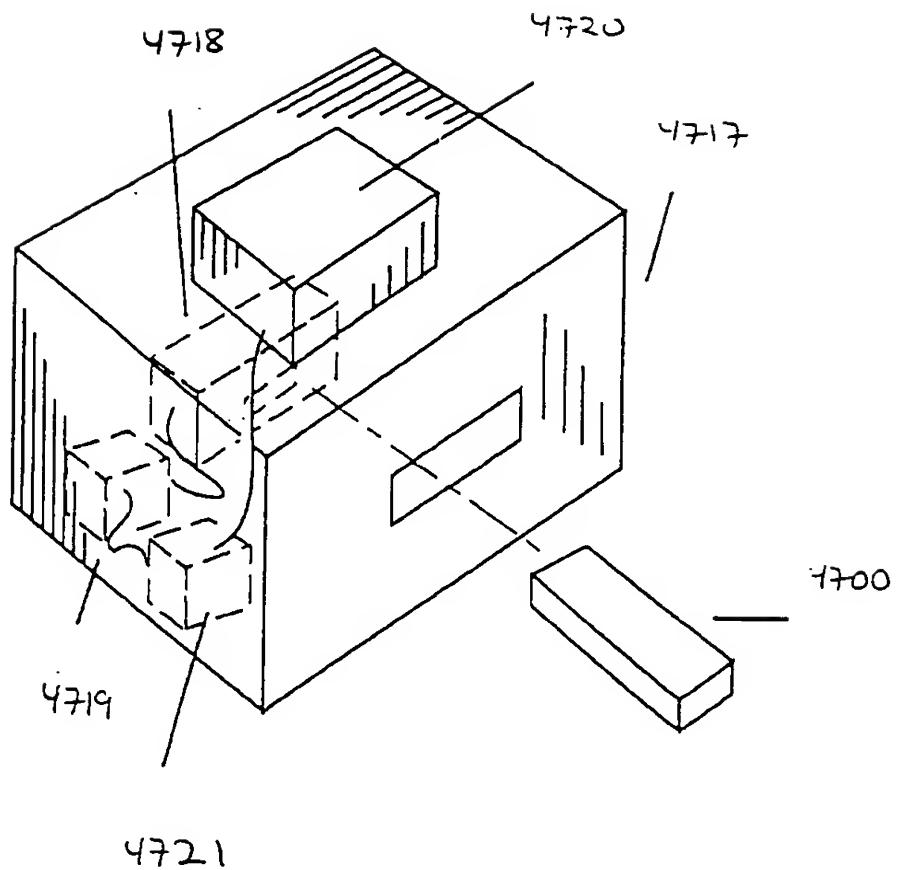
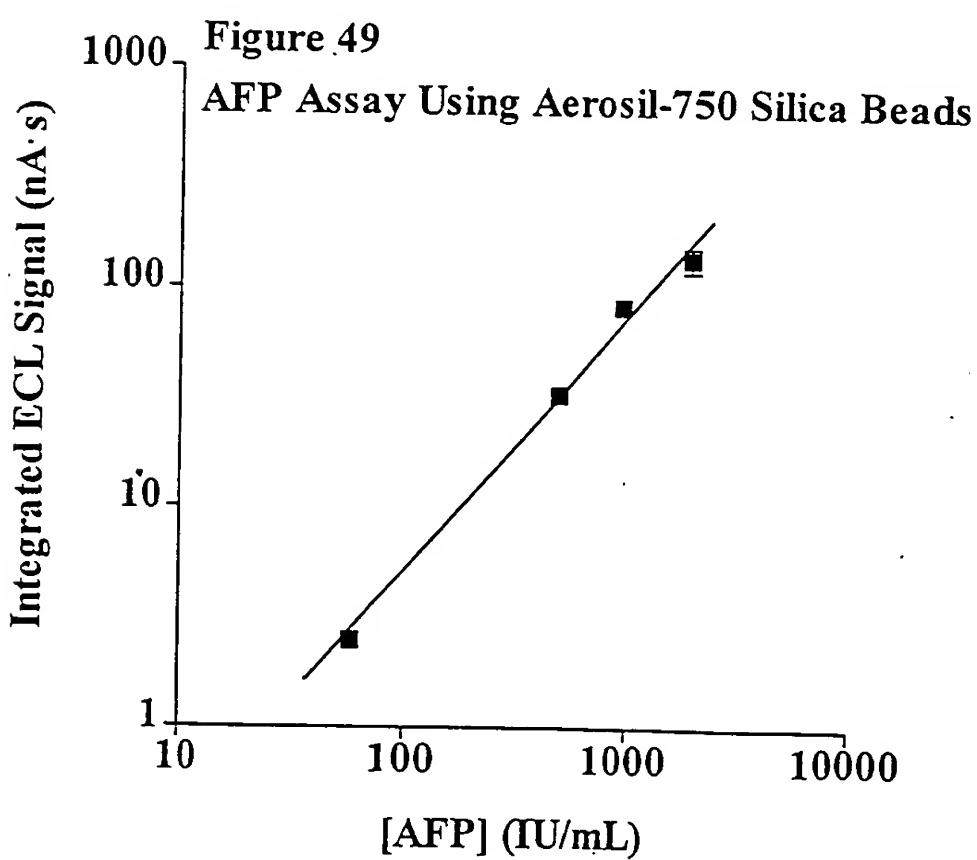
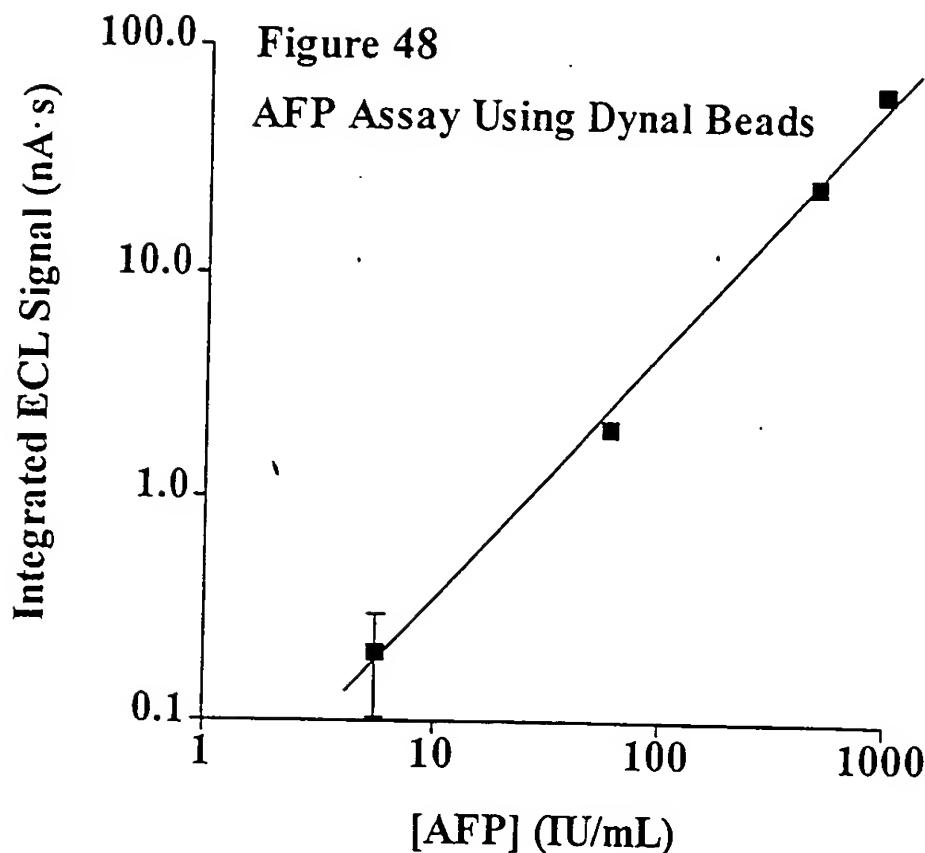


Figure 47





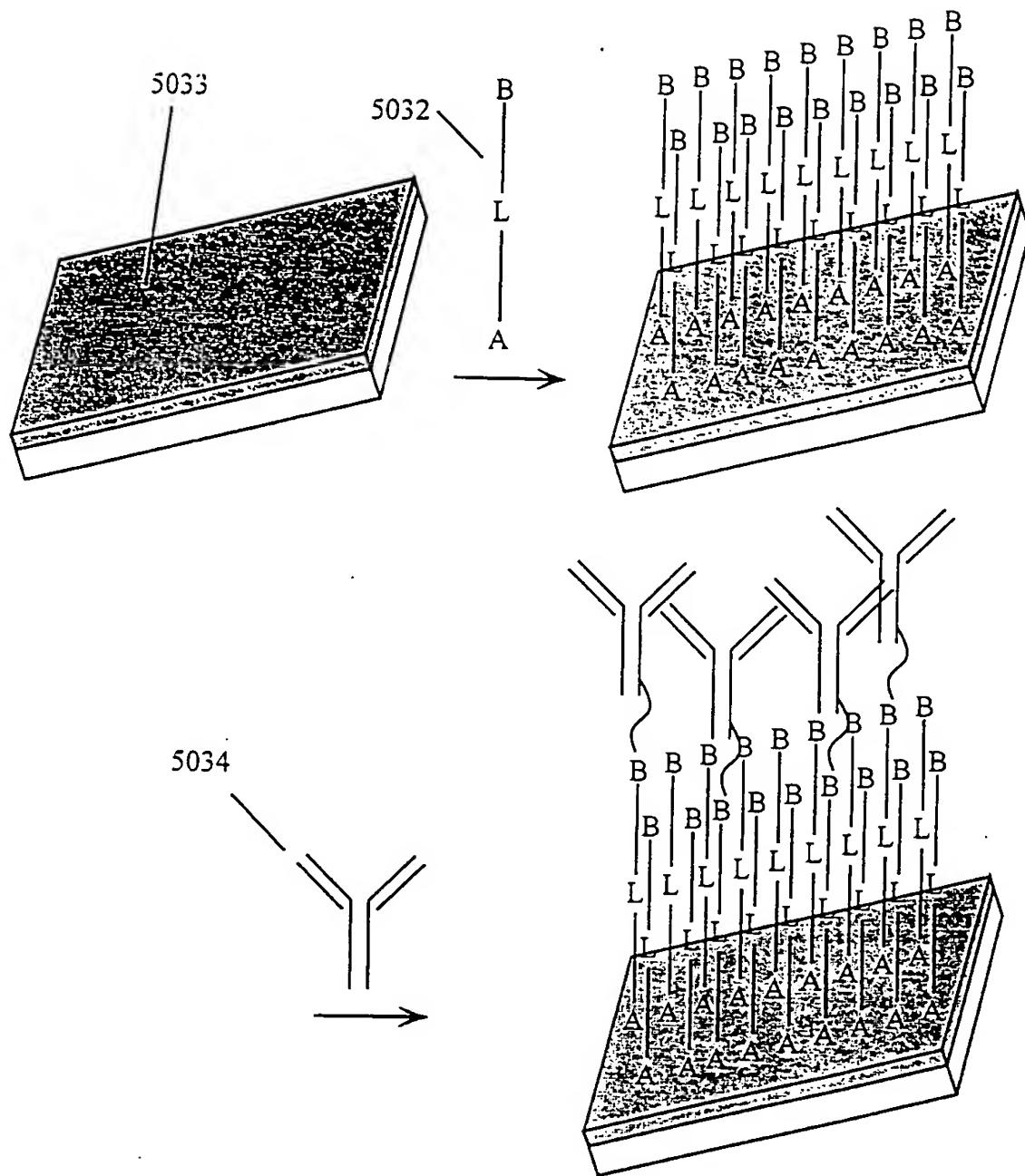
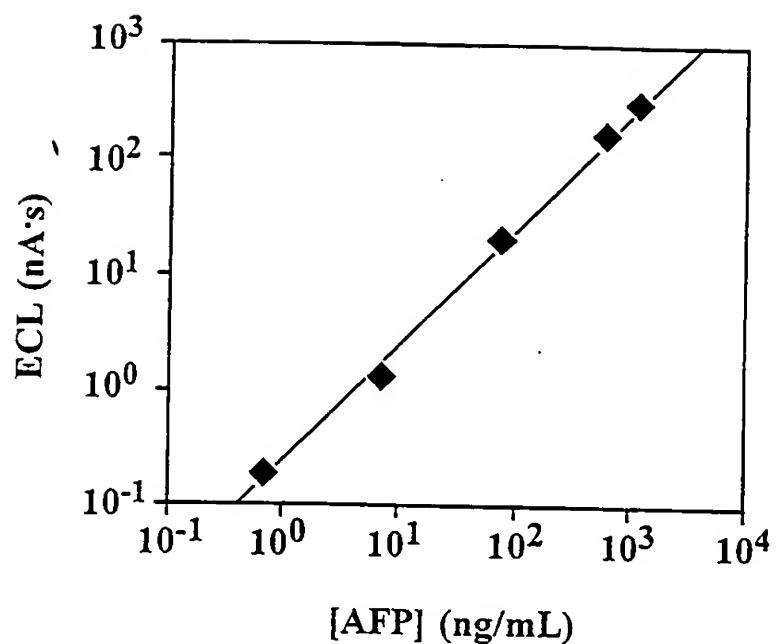
**Figure 50**

Figure 51



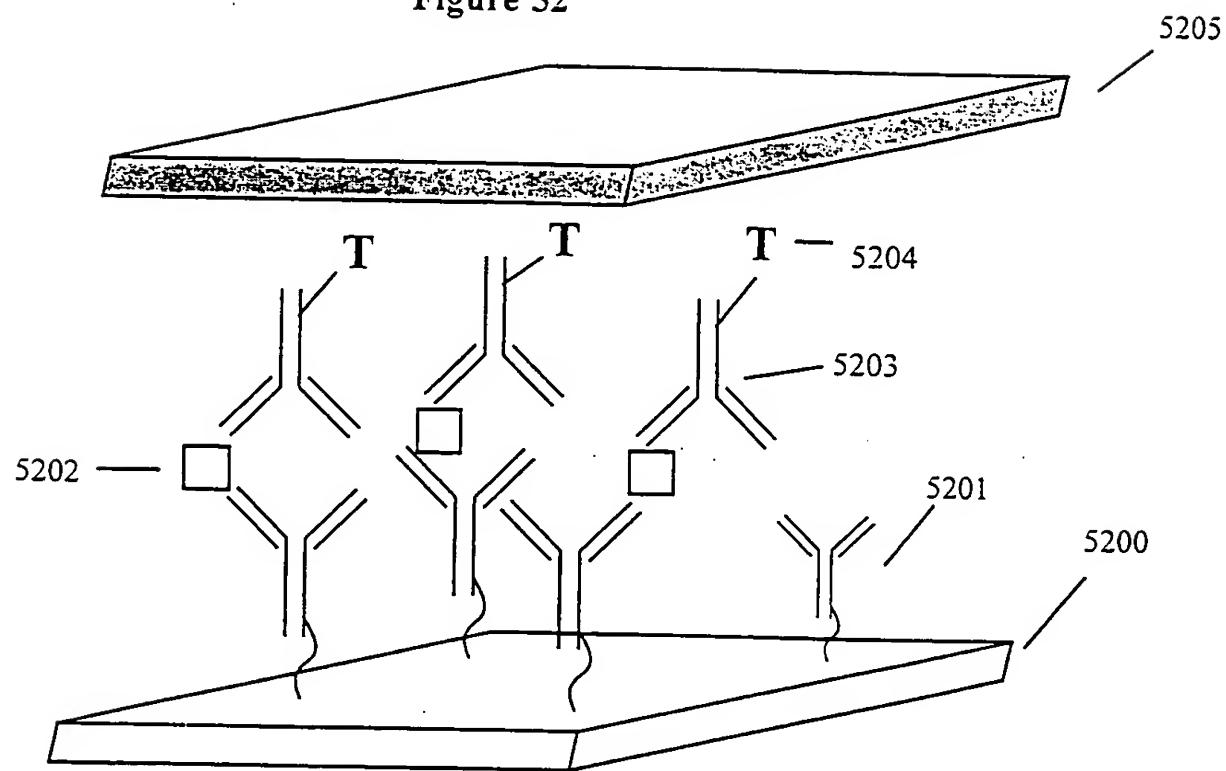
**Figure 52**

Figure 53

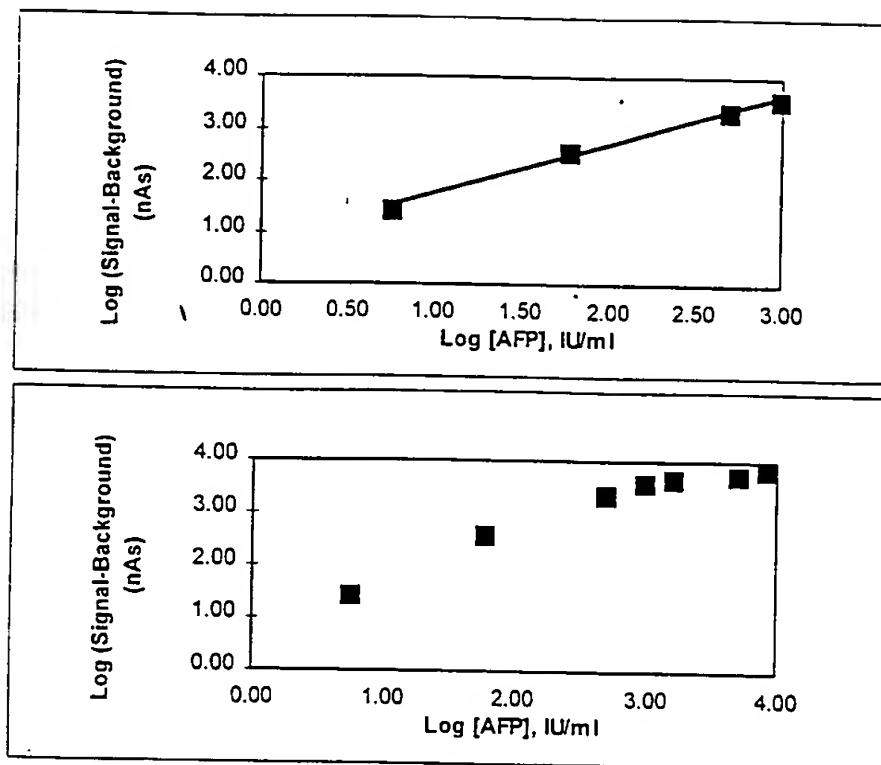
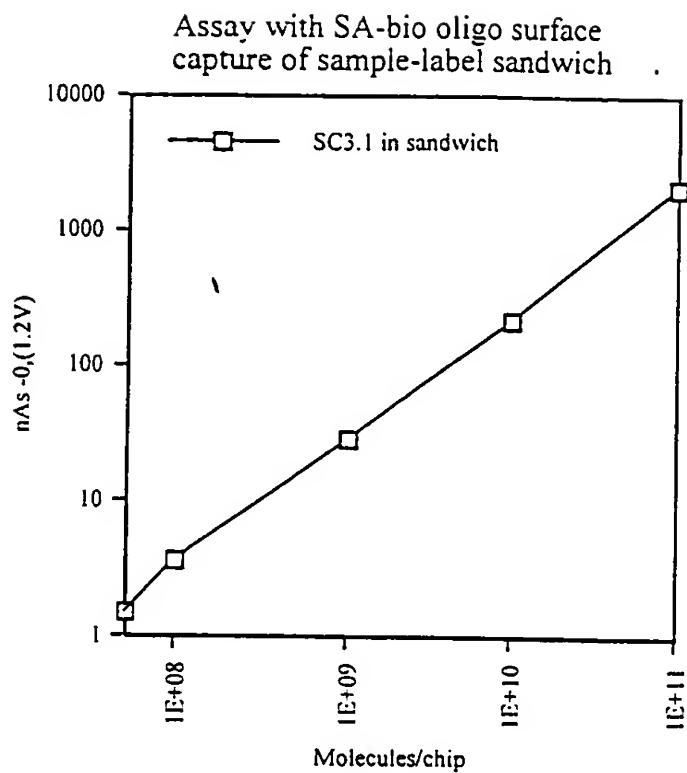


Figure 54



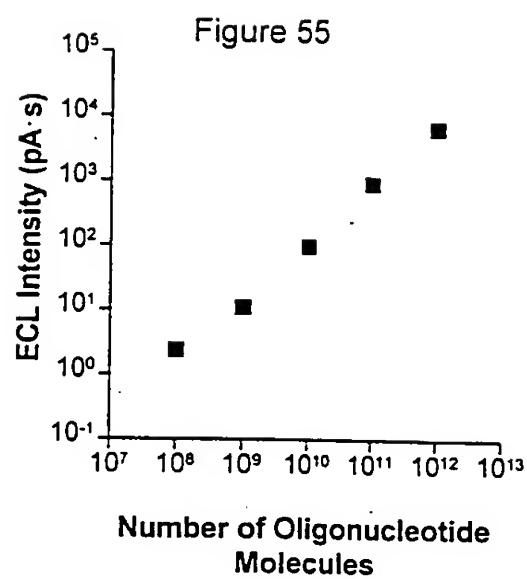
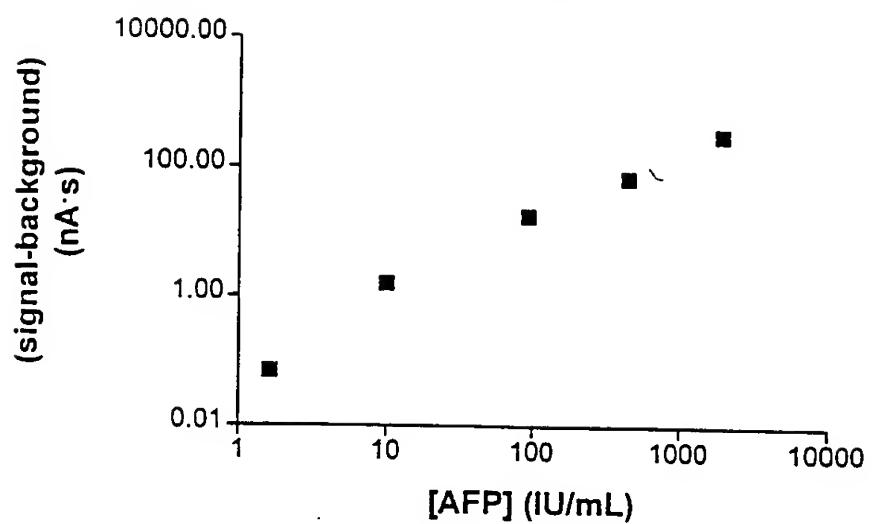
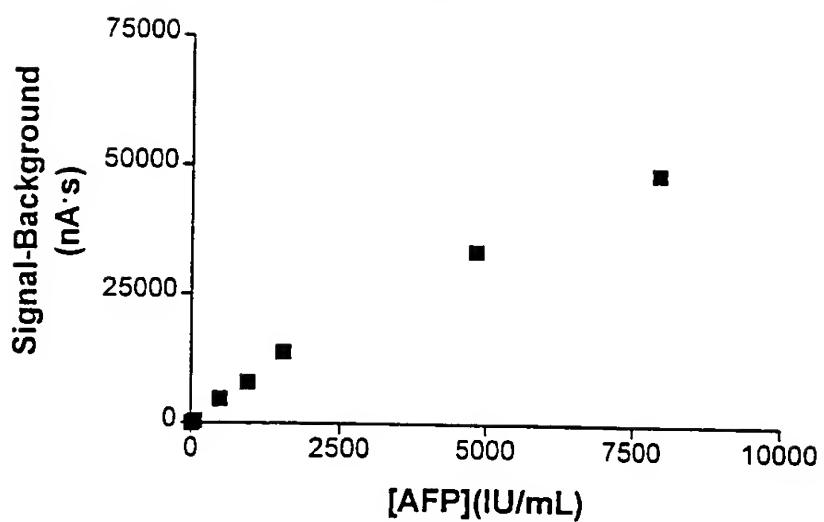


Figure 56

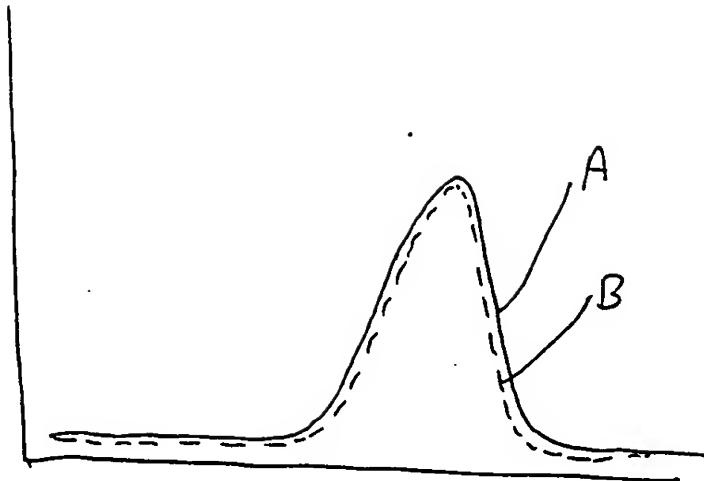


**Figure 57**



(A)

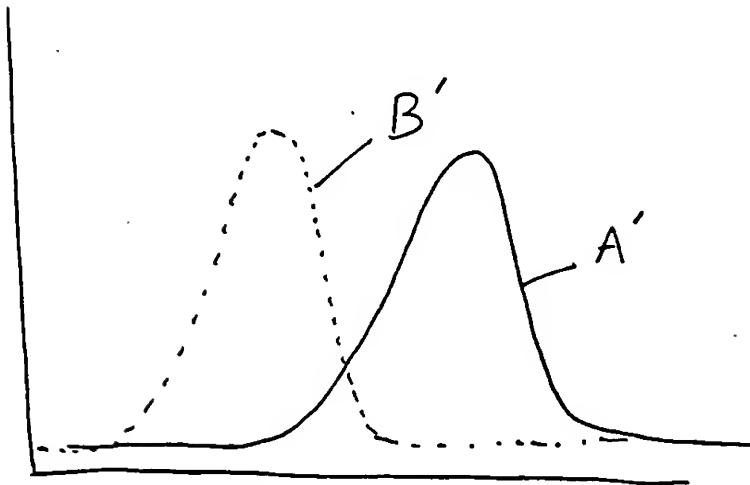
ECL  
Signal



Electrochemical  
Potential

(B)

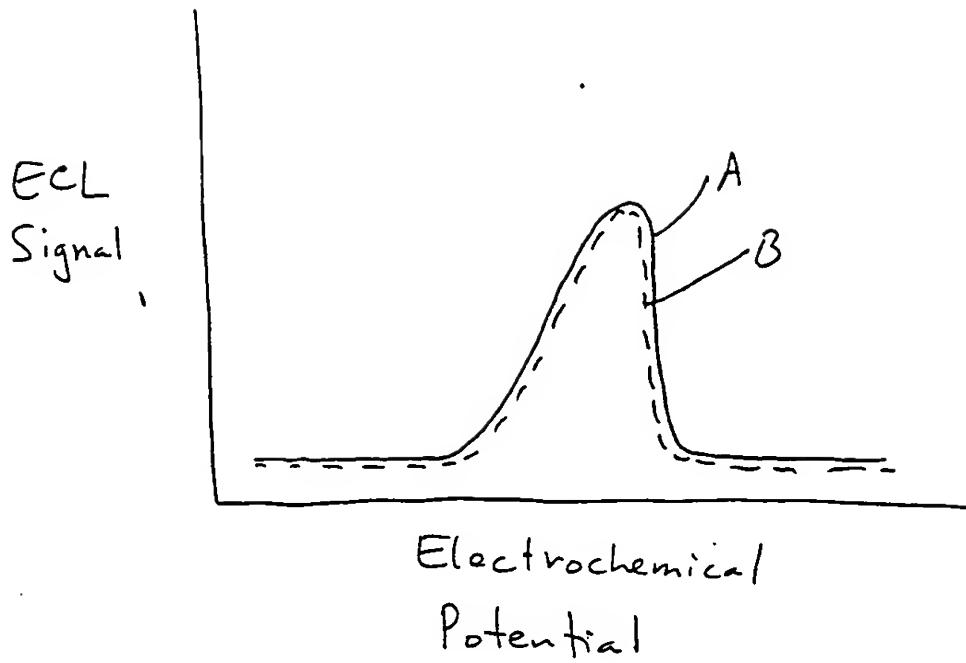
ECL  
Signal



Electrochemical  
Potential

Figure 58

(A)



(B)

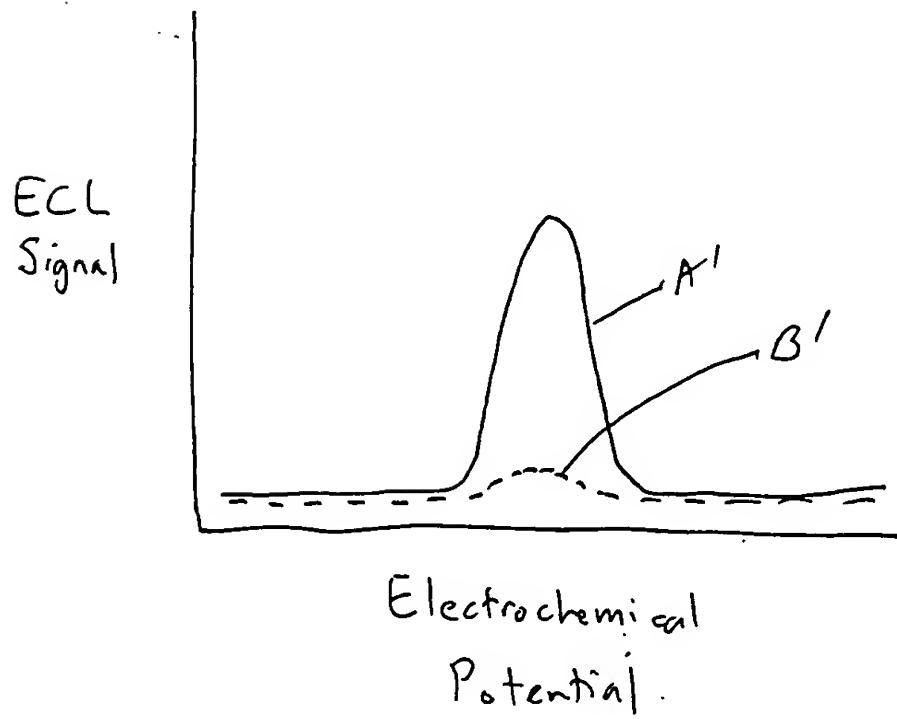


Figure 59

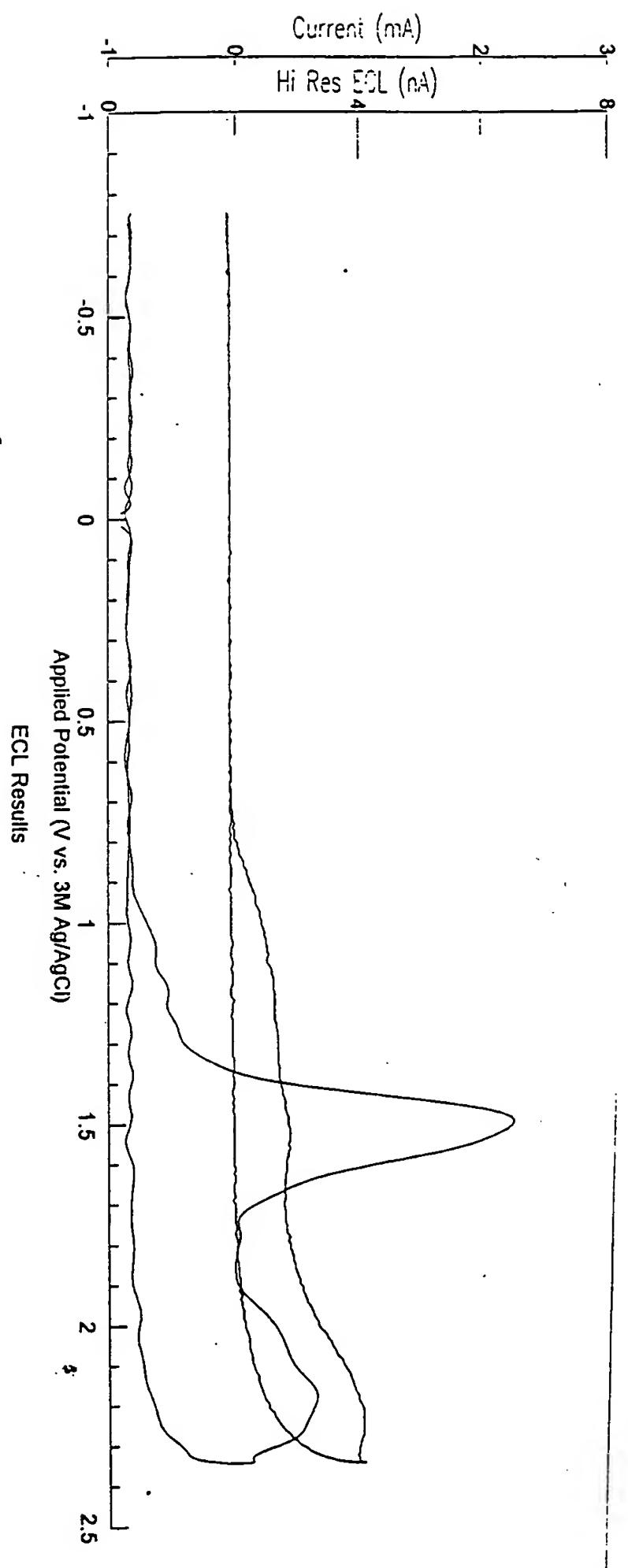
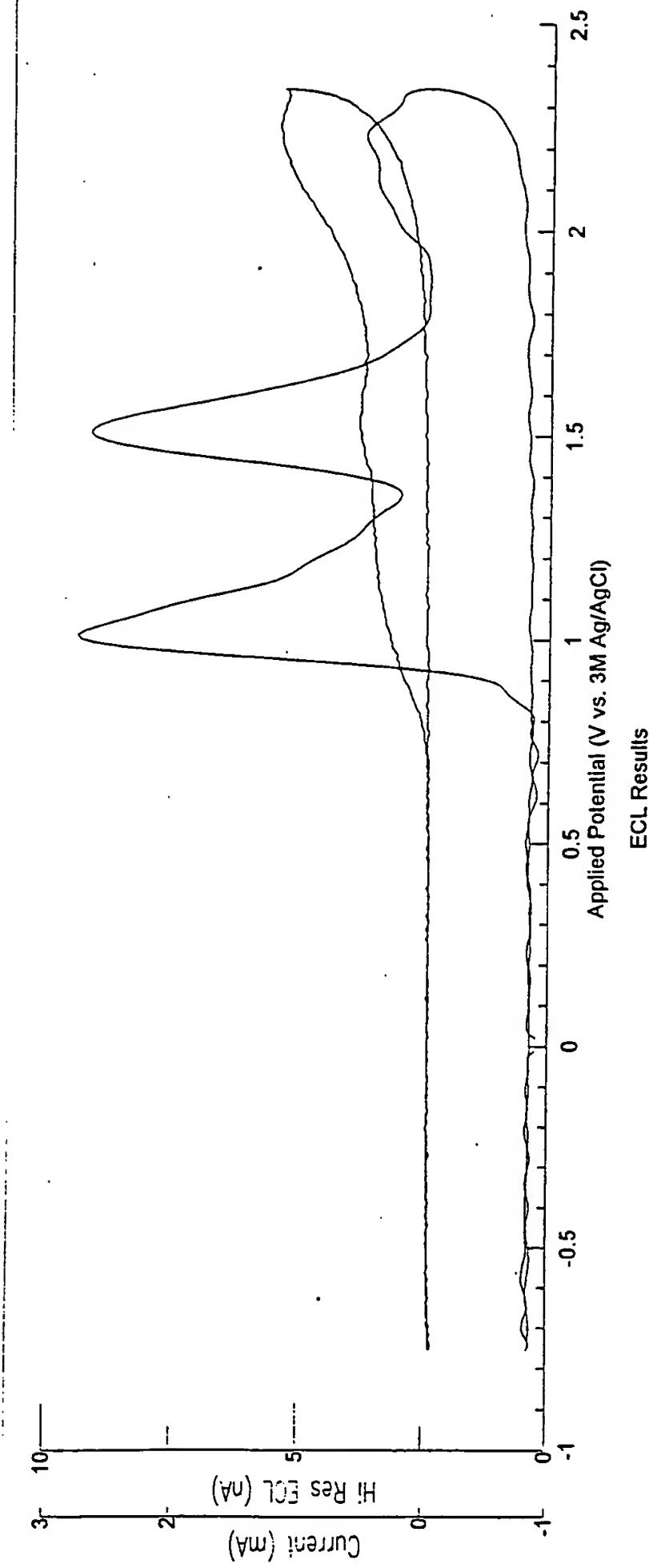


Figure 60

Figure 61



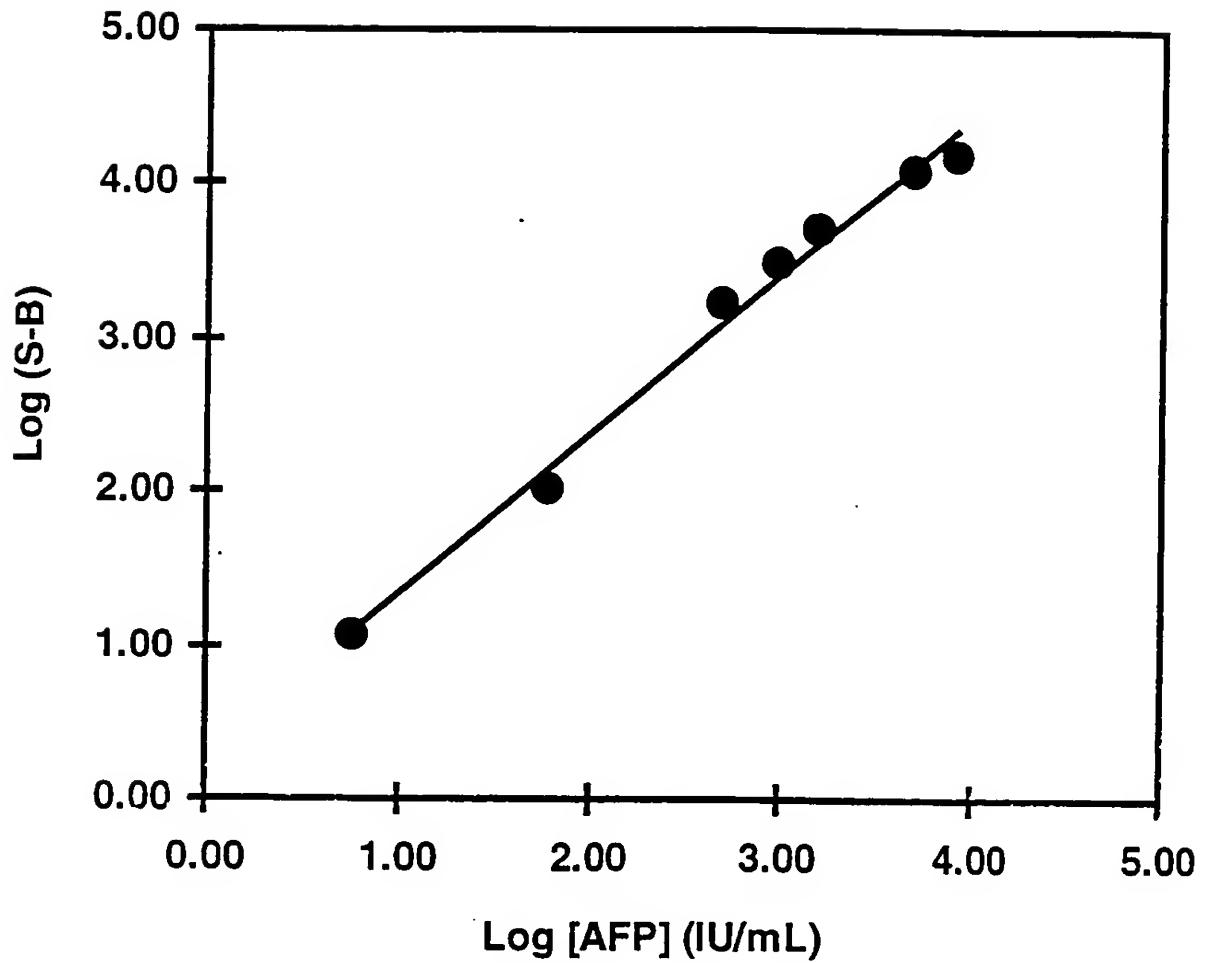


Figure 62

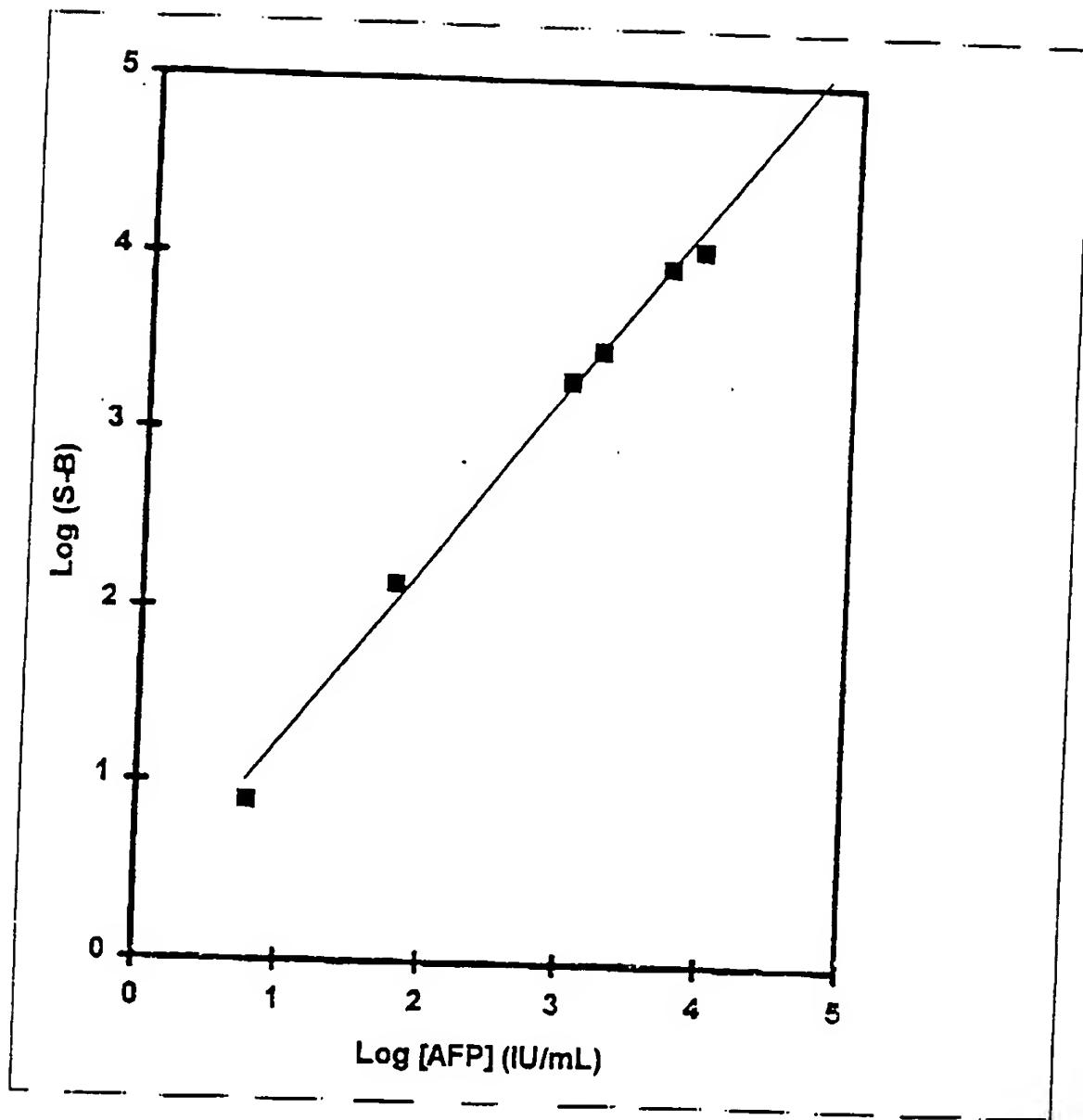


Figure 63

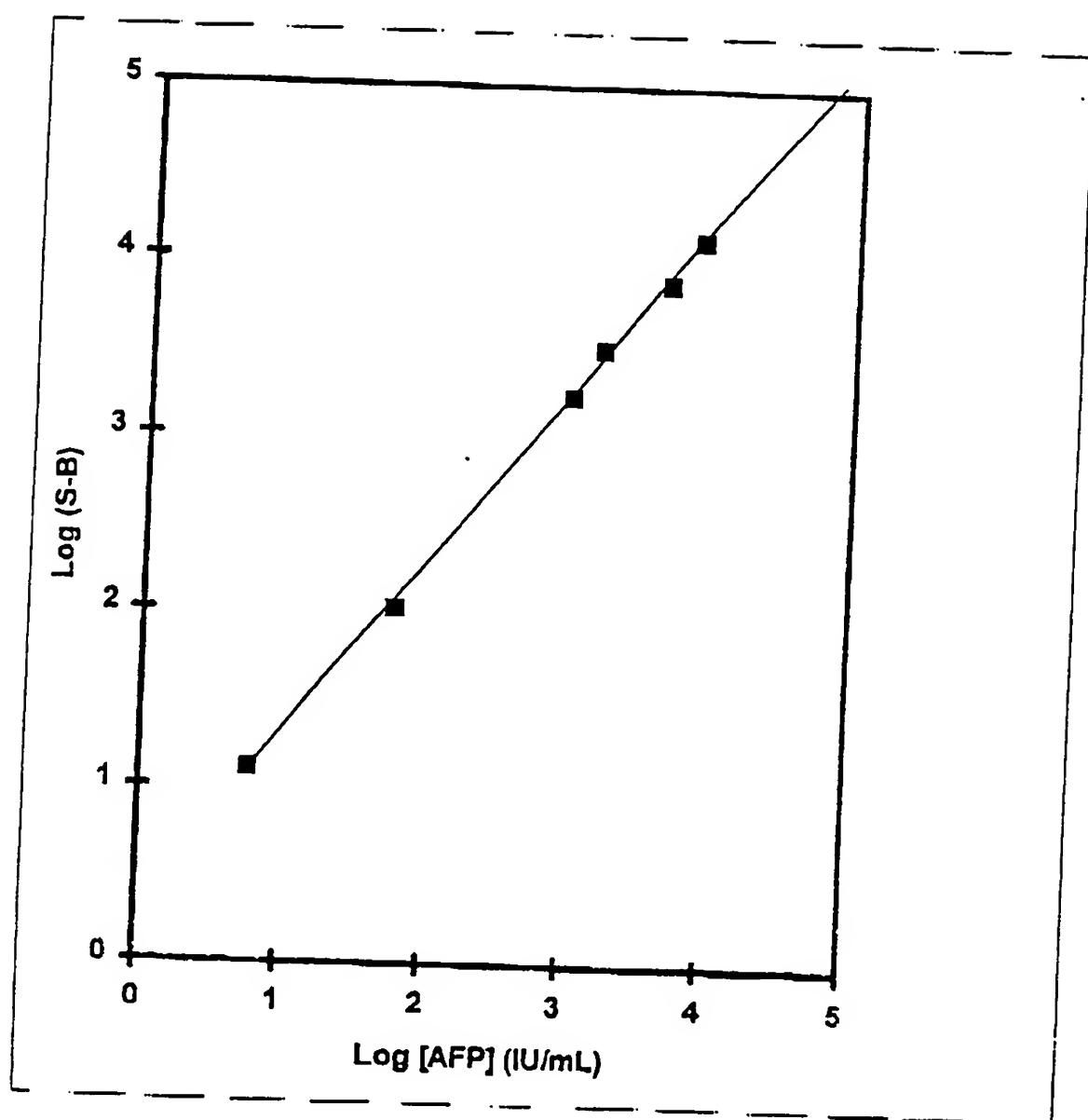


Figure 64

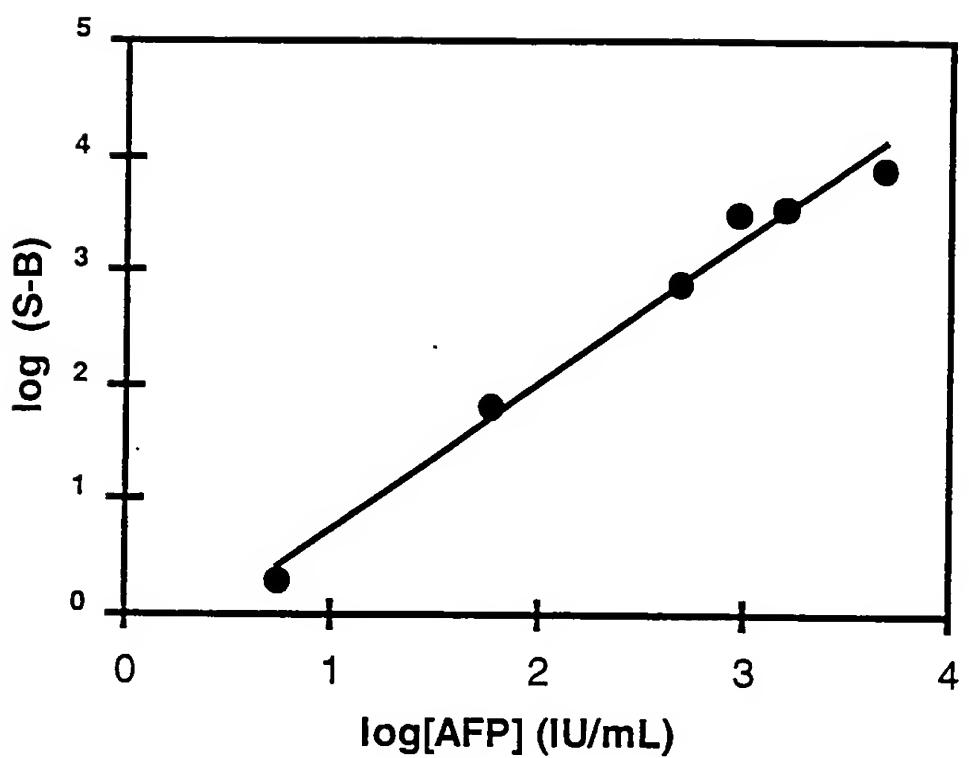


Figure 65

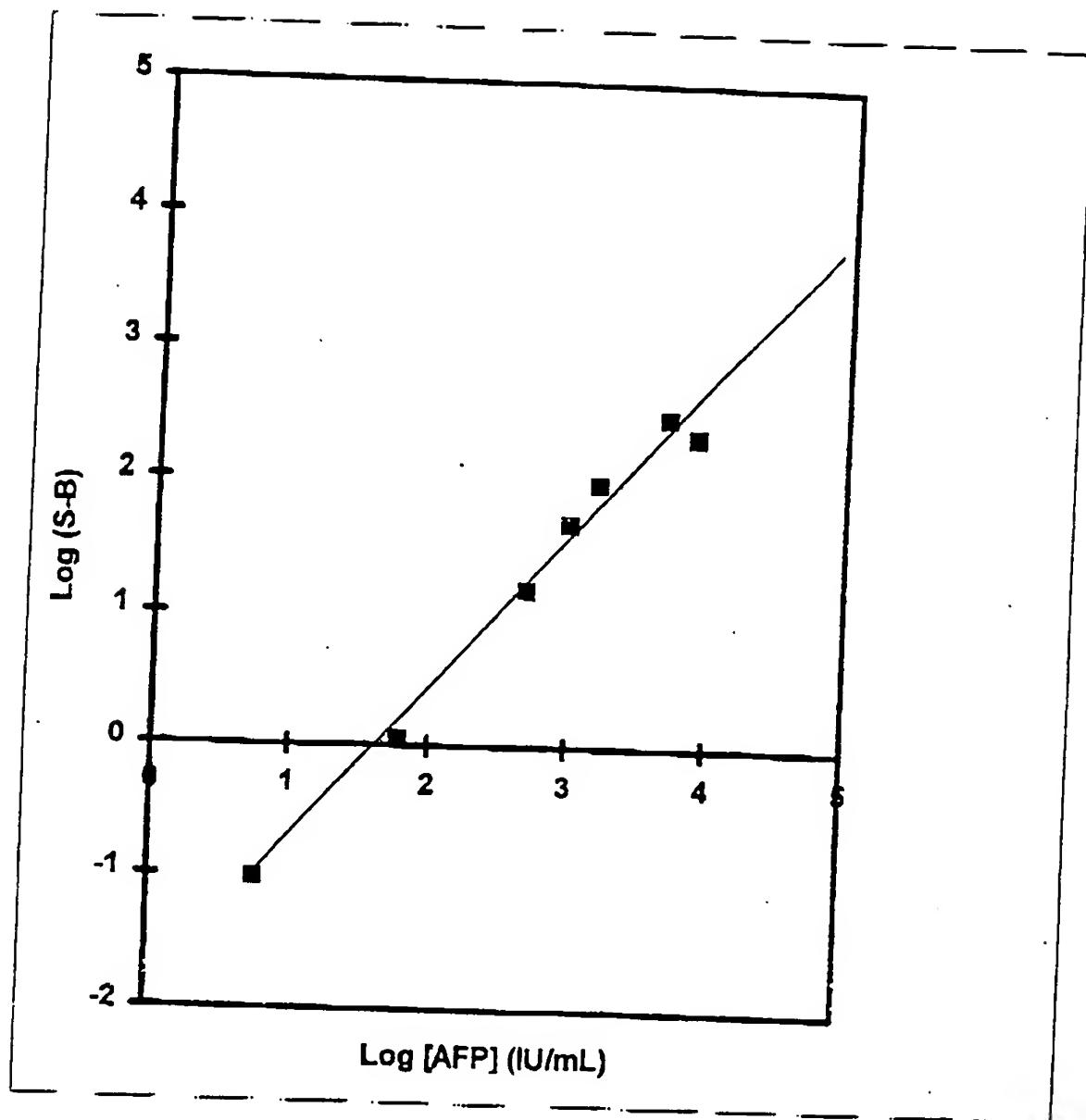


Figure 66

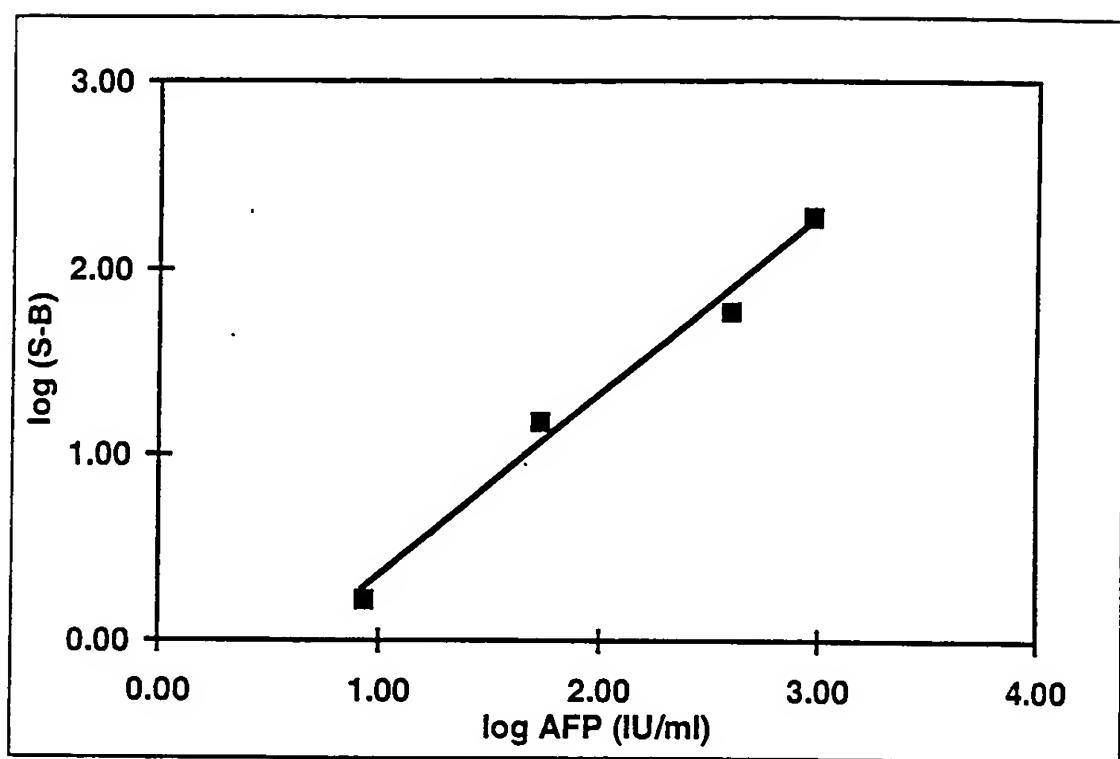


Figure 67

FIG. 68

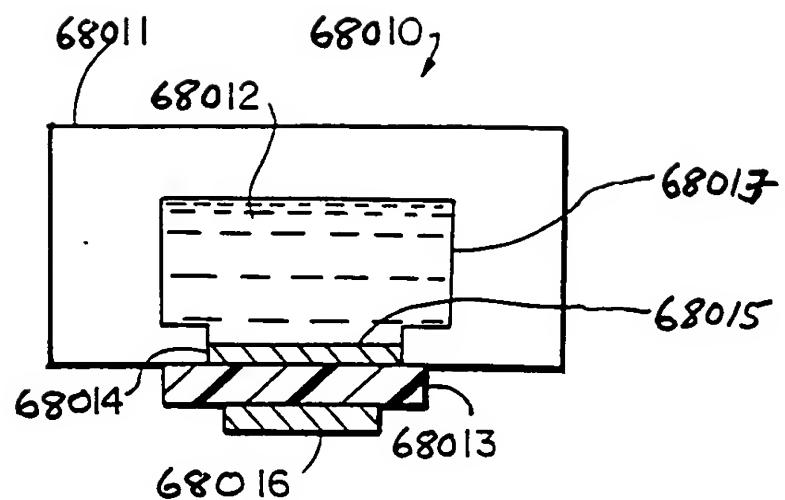


FIG. 69

